MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(English) First Year

Fundamentals of Maharishi Vedic Science

(Maharishi Vedic Science – I & II)

Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(English) First Year

Literature In English (1550-1660)

Syllabus

Unit-I

E.Spenser-Fairie Queene ,Book, Conto 1

Shakespeare-Sonnets nos.18,29,55,65,116

Unit-II

John Donne - Extasic

- Anniversare
- Death be not proud

Marvell - To his coy mistress

- Definition of Love

Unit-III

J. Milton - Paradise Lost Book I

Unit-IV

C. Marlowe - The Tragical History of Dr. Faustus

Ben Jonson - Everyman in His Humour

Unit-V

W.Shakespeare - Twelfth Night; As you like it.

Unit-VI

Shakespeare - Hamlet ;Richard II

Unit-VII

F. Bacon - "Of Truth"

-"Of Friendship"

-"Of Revenge"

-"Of Love"

Sir Thomas Browne: Urn Burial, Chapter-V

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(English) First Year
Literature In English (1660-1798)
Syllabus

Unit-I
Dryden-Absalom & Aehitophel

Unit-II
Pope-Rape of the Lock

Unit-III
Blake-The Lamb, The Tyger, The Little Black Boy,
The Sick Rose-The Progress of Poesy

Unit-IV
Congreve-The way of the world

Unit-V
Dryden-All for Love
Goldsmith

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(English) First Year
Literature In English (1798-1914)
Syllabus

Unit-I
W.Wordsworth - Tintern Abbus;Immortalits odd,
Wordsworth - "Lucy Poems":"She dwelt among the untrodden ways",
- "Three years she grew..."
- "Tintern Abbey".

Unit-II
Coleridge,ST. - Dejection;An ode
Rhyme of the Asicieri

Unit-III
Shelley - "The Cloud"
- "To a Skylark"
- "Ode to the West Wind"

Unit-IV
Keats- - "Ode to Auturnn"
- "ode on a Grecian Urn"
- "The Eve of St Agnes"
- "Tennyson-"Lotus Eatevs"
- "Tears Idle Tears"

Unit-V
Browning - Robi Ben Ezru.
- "My Last Duchess

Unit-VI
Lamb - Dream Children:Christ Hospital Poor relation
Carlyle - "The Hero As Poet"
Arnold - "Sweetness & Light" From Cuture and An.

Unit-VII
Shaw - Candida
Wide - Lady Windermere's Fan

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Unit-VII

Dickens – Great Expectation

Hardy - The Return of the Native

Maharishi Mahesh Yogi-“Science of Being and Art of Living”:Transcendental Meditation.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(English) First Year

Literature In English (1914 and Onwards)

Syllabus

Unit-I

W.B.Yeats –"The Second Coming"

- "A Prayer For my Daughter"

-"Sailling to Byzantium"

-"Byzantium"

Unit-II

Eliot - "What The Thunder Said?"

- "Marina"

- "Journey of Magi".

Unit-III

Auden - The Shield of Achilles'

Dylan Thomas - "Fern Hill"

Unit-IV

Larkin - Church Going

"Toads"

Ted Hughes - "Hawk Roosting"

Unit-V

T.S.Eliot - Murder in the Cathedral

George Osborne - Look Back in Anger

Unit-VI

Lynd - kitten Noises.Back to the Desk

Bellok - 'Books' On Mowing

Unit-VII

Virginiawoolf - Mrs Dalloway

Golding - Loard Of The Files

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year

ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year
Critical Theory
Syllabus

Unit I: Classical European Theory
Classical European Theory
Aristotle - Poetics

Unit II: Neo Classical Theory
Dryden- Essay on Dramatic Poesy

Unit III: Romantic Theory
Wordsworth – "Preface" to the Lyrical Ballads.
Coleridge – Biographia Literaria Chapters XIII to XV & VII

Unit IV: Theory of Fiction
Henry James - "The Art of Fiction"
V. Woolf - "Modern Fiction"

Unit V: Modern Theory
T.S. Eliot - "Tradition and the Individual Talent"
-"Hamlet and his Problems", "The Function of Criticism"

Unit VI: American New Criticism and allied British Criticsm
Cleanth Books -"Irony as a Principle of Structure"
I.A. Richards - "Communication and the Artist"

Unit VII: Structuralism and Post Structuralism
Saussure : -"Nature of the Linguistic Sign" (From Course in General Linguistics)
Derrida - Excerpt from "On Difference".

Unit VIII: Feminism and Post Colonialism
Elaine Showalter – "Feminist Criticism in the Wilderness"
(from The New Feminist Reader, ed. Showalter)
Edward Said- "Crisis {in Orientalism}" (the last section of "The Scope of Orientalism" in Orientalism)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year

Study of Genere and Textual Editorial and Bibliographical Skill –A (Poetry)

Syllabus

Unit I: Narrative Poetry

Chaucer - Prologue to The Centerbury Tales.

Keats - "The Eve of St. Agnes."

Unit II: Renaissance Love Poetry

Spenser - Epithalamiom.

Sidney - "No more, my dear, no more these counsels try"

-"Leave me, O love, which richest but to dust."

Unit III: Romantic Lyric

Wordsworth - "Lucy" (I-V Section in Fifteen Poets)

Byron - "Sonnet on Chillon"

Shelley - "When the Lamp is Shattered"

- "One word is too often profaned"

Unit IV: Post Romantic Lyric

Tennyson - "Tears Idle Tears"

Rossctti - "The Blessed Damozel"

Hardy - "The Darkling Thrush"

Unit V: Religious and Devotional Poetry

King James Bible - Psalms Nos. 23 and 27

Donne -"At the Round Earth's Imagined Corners"

-"Batter My Heart, three – personed God.

Tagore - Gitanjali, Songs Nos. 13 & 36

Unit VI: Modernism and After

Eliot - "Little Gidding"

Pound -"E.P. Ode pour I' Election de Son Sepulcher" (Sections I& 2)

Hopkins -"The Windhover"

Unit VII

Wallace Stevens - "The Emperor of Ice-Cream"

William Carlos Williams - "Tract"

e.e.cummings -"a wind has blown the rain away …"

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year

Study of Genere and Textual Editorial and Bibliographical Skill –B (Drama)

Syllabus

Unit I: Classical Drama

Sophocles - Oedipus The king

Kalidasa - Abhigyan Shakuntalam

Unit II: Shakespearian

1. The Tempest 2. King lear

Unit III: Post Shakespearian Drama

Webster - The Duchess of Malfi

Jonson - Every Man in his Humour

Unit IV: Comedy of Manners

Wycherley - The Country Wife

Sheridan - The Rivals

Unit V:Realism

Ibsen - The Dolls House

Galsworthy - Justice

Unit VI

Becket - Waiting for Godot

Pinter - The Birthday Party

Unit VII

Tagore - Red Oleanders

Karnad -Tughlaq

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year

Study of Genere and Textual Editorial and Bibliographical Skill – C (The Novel)

Syllabus

Unit I: Epistolary Novel

Richardson - Clarissa

Unit II: 19th Century Women's Novels

Jane Austen - Emma

Emily Bronte - Wuthering Heights

Unit III: 19th Century The Rural Novel

Hardy - Ters of the Durbervilles

George Eliot - Adam Bede

Unit IV: Early 20th Century British Fiction

Lawrence - Sons and Lovers

Conrad - Heart of Darkness

Unit V: New Literatures in English

Margaret Atwood - The Handmaid's Tale

Chinua Achebe - Things Fall Apart

Unit VI: Indian English Novel

R.K. Narayana - Waiting for the Mahatma

Anita Desai - Fire on the Mountain

Unit VII: Detective Fiction

Agatha Christie - Murder On the Orient Express

Sir Arthur Conan Doyle -"The Hound of the Basker Willes"

Unit VIII

(a) Documentation of references and composition of footnotes.

(b) Correction and copy-editing of texts.

(c) Consulting bibliographies and library catalogues.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year
Indian Writing in English
Syllabus

Poetry:
Unit I
Toru Dutt - "Our Casuarina Tree"
Kamla Das - "The Sunshine Cat"

Unit II
Tagore - Gitanjali- First Ten Verses

Unit III
Nissim Ezekiel - From Latter Day Psalms
"Later Day Psalms". No. 6,
"The Patriot"
"Poet, Lover Birdwatcher"
A.K. Ramanujam -"Obituary"

Fiction :
Unit VI
R.K. Narayan - The Man-Eater of Malgudi
- The Dark Room

Unit V
Amitav Ghosh - The Shadow Lines
Shashi deshpande - A Matter of Time

Drama:
Unit VI
Girish Karnad - Naga-mandala

Non Fictional Prose:
Unit VII:
Nehru - The Discovery of India: Last chapter
- Hinduism (Chapter II and IV)

Literature of the Indo-European Encounter:
Unit VIII:
Forster - A Passage to India
Ruth Pravver Jhabvala - Heat and Dust

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year
Colonial and Postcolonial Studies
Syllabus

Theory

Unit I

Fanon - The Wretched of the Earth

Unit II

E. Said - Culture and Imperialism

Unit III

Homi Bhabha - "Sings Taken for Wonders" (From the Location of Culture)

Gayatri C. Spivak - "Can the Subaltern Speak ?" (available in C. Nelson and L. Grossberg.eds. Marxism and the Interpretation of Culture)

Unit IV

Derek Walcott - Noble Prize – winning Speech. The Antilles (Available on the Internet)

Benedict Anderson - Imagined Communities: Reflections on the Origin and Spread of Nationalism. Introduction, Chapters 10 and 11

Texts

Unit V

M.K. Gandhi - The Story of My Experiments with Truth

George Orwell - "Shooting an Elephant"

Unit VI

Salman Rushdie - Midnight's Children

Amitav Ghosh - The Class Palace

Unit VII

Tagore - Gora

Premchand - "The Chess Players"

Unit VIII

Chinua achebe - Arrow of God

Michael Ondaatje - The English Patient

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year
American Literature
Syllabus

Poetry:
Unit I
Poetry -"Dream-Land"
-"The Raven."

Unit II
Whitman -"Leaves of Grass : " Song of Myself"
-"When lilacs last in the dooryard bloomed"

Unit III
"Birches " : Stopping By Woods On a Snowy Evening."
-"Mending Wall". " After Apple Picking."

Non Fictional Prose:
Unit IV
Emerson - "The American Scholar"
-"Nature"; "Self Reliance."
- "Beauty"
Thoreau - "Civil Disobedience."

Fiction:
Unit V
Hawthorne - The Scarlet Letter
Henry James - Portait of a Lady

Unit VI
Hemingway - The Old Man and the Sea
Faulkner - The Sound and the Fury

Unit VII
Toni Morrison - Sula
Alice Walker - The Color Purple
Drama:

Unit VIII:
Eugene O'Neill - Mourning Becomes Electra
- Arthur Miller - All my sons

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year
Literature and Gender
Syllabus

Theory
Unit I
Wollstonecraft - A Vindication of the Rights of Woman
V. Woolf - A Room of One's Own

Unit II
Alice Walker - "In Search of Our Mother's Gardens" (from In Search of Our Mother's Gardens)

Unit III
Helena Cixous - "The Laugh of the Medusa"

Unit IV
Elaine Showalter - "A Criticism of Our Own"

Text
Unit V
Mary Shelley - Frankenstein
Charlotte - Jane Eyreread with Jean Rhys. Wide

Sargasso Sea
Unit VI
V. Woolf - To the Lighthouse
Toni Morrison - Beloved

Unit VII
Kamala Das - My Story
R. Tagore - Home and the World

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Unit VIII

Christina Rossetti	- "Goblin Market"
Emily Dickinson	- " I am nobody! Who are you?"
	-"I cannot live with you"

Unit IX

Sylvia Plath	- "Daddy"-Edge"
Adrienne Rich	-"Living in Sin" (from The Diamond Cutters)
	-"Snapshots of a Daughter-in-law"

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year
Literature and Philosophy
Syllabus

Unit I
Plato - Republic, Book X

Unit II
Dante -"Inferno" from The Divine Comedy

Unit III
Browne - Religio Medici

Unit IV
Nietzche -"the Birth of Tragedy"

Texts
Unit V
Bergson - Creative Evolution, read with Shaw's Man and Superman

Unit VI
Word Worth - The Prelude, Books I and II

Unit VII
Sri. Aurobindo – Savitri Book I, Canto i.

Unit VIII
R. Tagore - The Religion of Man

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (English) Final Year

Gandhi and Indian Writing in English

Syllabus

Literature by Gandhi:

Unit I

M.K. Gandhi - The Story of My Experiments with Truth (abridged version published by Navjivan Publication Ahmedabad)

Krishna Kripalani - Gandhi – A Life (Published by National Book Trust)

Gandhisim :

Unit II

M.K. Gandhi -"Self Discipline."
-"What is Satyagraha."
-"On Sarvodaya."
-"The Essential Unity of all Religious."

Unit III

M.K. Gandhi - "The Role & Status of Women."
-"Truth and God."
-"Swadeshi."
-"The Meaning of Non violence."

(all the essays of Unit II and III are from The Selected Works of M.K. Gandhi Vol. 6, Navijivan Publication Ahmedabad)

Influences on Gandhi

Unit IV

John Ruskin - Unto this Last (Chapter I & V)

St. James Bible - "Sermon on the Mount. "Mathew Chapter V-VII

Cardinal Newman - "Lead Kindly Light"

Thoreau - Walden

Unit V

Sarojini Naidu - "Bhudha on a Lotus"

R. Tagore - "Akala Chalo Re." Kon Alote Gener Pradip Jaliye (Translation of the songs of Tagore)

J. Mahapatra - "Requiem" from Bare Facts.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Articles on Gandhi

Unit VI

S. Radhkrishan - Essay on Mahatma Gandhi

R. Tagore -"The Penance of Mahatmaji" ("Mahatmaji's Punnyavrata", in Complete Works R.N. Tagore Vol. 27)

J. Nehru - "A Glory that is no More" (Selected Works of Jawaharlal Nehru Vol. V)

Fiction

Unit VII

R.K. Narayan - Waiting for the Mahatma

Mulk Raj Anand - Untouchable

Unit VIII

Raja Rao - Kanthapura

Anita Desai - Where Shall we go this Summer?

Shashi Tharoor – The Great In

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW First Year

Fundamentals of Maharishi Vedic Science

(Maharishi Vedic Science – I & II)

Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW First Year

History & Development Of Social Work

Syllabus

Unit-I

(a) Social Work in UK and USA & India: Evolution and Development Introduction, History of Social Work in U.K. History of Social Work in U.S.A.

(b) Social Work Profession in India: Evolution and Development: Introduction, Social Work in Ancient and Medieval Period, Social Work during the British Period, Social Work after Independence, Future Trends.

Unit-II

Social Reform movement change Evolution Progress, Development, Social Movement ,Revolution. Difference between Social Reform and Socialism, Minimum Requirement for Social reform, Social Reform and Social Work.

Introduction, Strategy of social Reform, characteristics of Social Change, Sources of Social and Cultural change, Pattern or kinds of social change, Factors of Social change.

Theories of social change: Evolution theory, Cyclical Theory, Conflict theory

Unit-III

Definitions concept and scope of social work, forms of social work and its Evolution, social work and its other Related Concepts, Methods of social work, objectives of social work, Philosophy of social work, other institution / Agencies related with social work, classification of Institution/ Agencies.

Philosophy of Social Work in India: Introduction, Concept & Nature of Social work. Philosophy Underlying Social Work, Goals of Social works, Values in Social work. Social work – Principles , Social Work Skills, Social work Functions, The Field of Social work, New and Emerging Fields.

Unit-IV

Social Work as a Profession: Introduction, Social work in India, Social work in India Social work in the 21st Century, Future Perspectives and Tasks Ahead, Objectives of Field Work.

Social work and the other social Science, (social work and Job Prospects)

Social work and sociology, Social work and Psychology, Social work and Social Psychology, Social work and Anthropology, Social work and Economics. Social work and Political Science, Social work and Law, Social work and statistics.

Unit-V

Social welfare Administration: Meaning, Definition, Nature, Characteristics, Objectives, Principles, Major Fields of Social welfare administration, Basic knowledge for social welfare administrator.

Social work Research: Difference between Social work research and social research, Definition of Social work research, Type of Social work Research, Steps of Research, Areas of Social work research.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW First Year

Human Growth And Personality Development

Syllabus

Unit-I

Nature and Principles of Growth and development, Dimensions of Development, Developmental Tasks

Unit-II

Meaning of Personality, measurement of Personality ,Theoretical Approaches to personality, Methodological view-points, idiographic and Nomothetic Approaches, Data of Personality Psychology, Trait Approach : A general interpretation

Unit-III

Role of Hereditary in Personality Development, Environment influence in Molding the Personality Role of Socialization and child Rearing Practices in Development

Unit-IV

Fundamentals of Personality Theory: Nature, elements, Historical Background and Criteria of Evaluating personality Theories.

Sigmund Freud Psychoanalytic Theory, Jung's Analytical Theory, Erik Erikson: Psychosocial Theory ,Gordon All port: Trait Theory, B.F. Skinner: Behaviouristic-Learning Theory, Five- Dimensional Model, Miller & Dollard: Stimulus Response Theory and Eastern Personality Theory of Personality

Unit-V

Intelligence: History, Definition of intelligence, intelligence Quotient (IQ), General intelligences factor (g), Historical psychometric theories: Cattell Horn- Carroll Theory, Multiple intelligences, Triarchic Theory of intelligence, PASS Theory of intelligence, Piagets theory and Neo- piagetian Theories. Emotional intelligence, Social intelligence, Animal and Plant intelligence, Artificial Intelligence

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW First Year

Indian Social Structure And Social Problems

Syllabus

Unit-I

Indian Social Structure : Scope of Sociology, Nature of Human Society Approaches to the Study of Society, The Scope of Sociology : A First Example Functional Approach to the Study of Society, Human vs Animal Society, Role of Culture.

Elements of Society: Community, Associations, Institutions Social Group

Unit-II

Meaning of, Concept, Definition, Characteristics of Social organization. Concept, Definition of Social Disorganization, Social disorganization as a Process. Distinction / Difference between Social Organization and Disorganization, Symptoms of social disorganization, Main factors of social disorganization, Cause of social disorganization in India

Unit-III

Meaning, Definition, cause of Personal Disorganization. Difference between social and Personal disorganization, Relation between social and Personal disorganization, major form of Personal Disorganization in India, Family Disorganization in India. Meaning and causes of community disorganization

Unit-IV

Concept ,Meaning, Definition, Nature, measurement and Types of Social Problem.

Major Social Problem in India:-Casteism, communalism , Regionalism, Corruption in Public life, youth Activism, Terrorism, Population growth, Poverty, unemployment, Crime, Juvenile delinquency, Alcoholism and Drug Addiction, Sexual, Child Labor, while collar Crime ,Inter-generation conflict, Gender difference and women welfare

Unit-V

Social Reconstruction and social Planning: Democratic welfare state, what is planning, Need of Planning, approaches to Planning, Techniques employed in planning. Importance Planning in India.

Introduction welfare Agencies: History of international social welfare, YMCA, YWCA, WHO, Activities of WHO in India, India and International Labor office .

Community Development Schemes: Definition, Aims, organization of community development schemes. community development and National Extension services. Present time rural Development Programmes SGSY, NRLM, DPAP, IWDP, ARWSP, NRHM, NPFW, National social help programme , Role of community Development Programming Rural reconstruction.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW First Year

Organizational Behaviour in Society

Syllabus

Unit-I

Organization: Meaning, Nature, Criteria, Characteristics, types of Organization. Formal organization,informal organization, Functions & management of informal organization.

Organizational Structure: Meaning, characteristics, types, goal of organizational structure

Unit-II

Organizational Behaviour: History , Definition, Nature, characteristics organizational Behavior Challenges, Scope and Elements of organizational Behavior, Approaches for understanding organizational Behavior. Organizational Contact and work stress

Unit-III

Theories of organization: Classical Theory: Components, characteristics, Merits and Demerits. Neo-classical theory or Human Relations Approach: Postulates, Evaluation, Merits & Demerits. Modern Theory or System Theory: Assumptions, Evaluation. Theory X and Theory Y.

Unit-IV

Group and group Behaviour Meaning, Type & formation of group, Factors of group change ,collective Behavior : Meaning and Nature of collective Behavior ,Crowd, Public, Mass and Social Movement behaviour, The Psychology of Audience.

Theories developed to explain Crowd behavior. Contagion Theory, Convergence, Emergent Norm and Complex Adaptive system theory.

Unit-V

Communication and information communication Technology: meaning, nature, objectives or goal, types ,role ,direction of the flow, media of communication. patterns, Network or models of communication. Patterns of informal communication. Effective communication, barriers to effective communication. IT, role of IT in different walks of Life, Role of IT in business organization ,Role of IT in manufacturing and defense services.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW Final Year

ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW Final Year

Social Work Research and Statistics

Syllabus

UNIT – I

Nature of Scientific method: Application to social phenomenon; nature importance and Scope of social Research. Social Work Research: Nature, objectives, functions.

UNIT – II

Types of Social Survey and Research. Major Steps in Social Survey and Research. Methods and Techniques of Data Collection.

UNIT –III

Sampling: Types & Techniques . Research Design and its types.

UNIT-IV

Importance, scope and Limitation of statistics. Graphic and Diagrammatic Presentation.

UNIT –V

Study of Units of Analysis :(a)Ratios (b) Percentage. Measures of Central Tendency : (a) Mean (b) Median(c) Mode. Measures of Dispersion :(a) Regration (b) Quartile Deviation (c) Mean Deviation (d) Standard Deviation. Correlation and their measures.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW Final Year

Social Case Work and Group Work

Syllabus

Unit I

Social Case Work as a method of profession Social. Work Need. Concept objectives and scope. Components of Social Case Work the client the problem, the agency the pocess and their relationship to one another.

Unit II

Basic Concepts of Social Work: Social status and role, ego and adaptation. Generic principles of social work as application to social case work.

Unit III

The Group: Definition types and characteristics, group dynamics and significance. Social group work as a method of social Work Concept, objectives and characteristics.

Unit IV

Programme planning and development process in Social group work practice.

Unit V

Leadership meaning types, Development of Leadership through group work process.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW Final Year

Social Work Administration and Information Technology

Syllabus

Unit I

Establishment and registration of social welfare organizations and practices for administration under societies Registration Trust Act. Charity and Endowment Act. Management of human resources through boards, committee workshops and conference

Unit II

Project designing in Social Welfare Organizations: Meet principles and procedure of project formulation.

Utilization of Financial resources: Grant in – Aid - Purp Principles and procedure.

Unit III

Public Relations: Need, concept, objectives and scope. Research, planning and techniques of public relations, with special reference to relations with media.

Unit IV

Administration as a group process: Leadership in Administration; Decentralization of power. Monitoring,

evaluation and accountability: Presentation of reports.

Unit V

Information Technology and computer Application: Basic computer concepts-computer process, input and output devices, Word and Data Processing. Concepts of Data Base Management system (DBM) and Management information System (MIS). System analysis and design . Project management.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSW Final Year

Management of Social Welcome and Development

Syllabus

Unit I

Management concept, need objectives, nature and scope. Important of management in an organization, elements of management.

Unit II

The art and science of management: theories & principles of management . Human resource management and development: Concept , need, objectives nature and scope.

Unit III

Planning: Concept, objectives, techniques; Strategic and Operational models.

Decision making : Time and human relationships in decision making, Programmed and non-programmed decisions, the national model of decision making.

Unit IV

Organization, Concept, the building blocks of organization, Power and distribution of authority. Leadership, motivation teams and teams work in an organization.

Unit V

Process of controlling in an organization . need meaning and steps of control. Identification of key performance areas and strategic control points. Application of principles and techniques of management sciences in the field of social welfare and development in India.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi First Year

Fundamentals of Maharishi Vedic Science

(Maharishi Vedic Science – I & II)

Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi First Year

आधुनिक गद्य साहित्य

Syllabus

स्कंदगुप्त

आधे–अधूरे

गोदान

मैला आँचल

डॉ. हजारी प्रसाद द्विवेदी – आग फिर वौरा गये ३३

हरिशंकर परसाइ – विकलांग श्रद्धा का दौर

पत्नी

गद्यकार

नाटककार

निबंधकार

स्फुट

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi First Year

हिन्दी साहित्य का इतिहास

Syllabus

इतिहास

पूर्वमध्यकाल (भक्तिकाल)

भारतेंदु युग

हिन्दी गद्य की प्रमुख विधाओं

उर्दू साहित्य का संक्षिप्त परिचय

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi First Year

काव्य शास्त्र एवं साहित्यालोचन

Syllabus

(क) संस्कृत काव्यशास्त्र

1. काव्य के प्रकार
2. रस–सिद्धांत
3. अलंकार–सिद्धांत
4. रीति–सिद्धांत
5. वक्रोक्ति–सिद्धांत
6. ध्वनि–सिद्धांत
7. औचित्य–सिद्धांत

(ख) पाश्चात्य काव्यशास्त्र

1. प्लेटोःकाव्य–सिद्धांत
2. अरस्तूःअनुकरण–सिद्धांत
3. ड्राइडन के काव्य–सिद्धांत
4. बर्ड्सवर्थःकाव्य–सिद्धांत
5. मैथ्यू आर्नल्ड
6. टी.एस. इलिइट
7. आई.ए.रिचर्ड्स
8. सिद्धांत और वाद

(ग) हिन्दी के प्रमुख अलोचक

1. डॉ. रामविलास शर्मा
2. आचार्य नंद दुलारे बाजपेइ
3. आचार्य रामचन्द्र शुक्ल

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi First Year

प्राचीन एवं मध्यकालीन काव्य

Syllabus

कबीर और जायसी की समानताएँ व असमानताएँ

जायसी

तुलसीदास

बिहारी लाल

द्रुत पाठ हेतु निर्धारित कवि

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

M.A. (Hindi) Final Year

ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

भाषा विज्ञान एवं हिन्दी भाषा

Syllabus

भाषा और भाषा विज्ञानँ

व्याकरण

अर्थ–विज्ञान

हिन्दी की ऐतिहासिक पृष्ठभूमि

हिन्दी का भोगेलिक विस्तार

हिन्दी का भाषिक स्वरूप

देवनागरी लिपि

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

आधुनिक हिन्दी काव्य

Syllabus

मैथिलीशरण गुप्त

जयशंकर प्रसाद

सूर्यकान्त त्रिपाठी 'निराला'

ग.मा. मुक्तिबोध

द्रुत पाठ

अयोध्या सिंह उपाध्याय हरिऔध

जगन्नाथ रत्नाकर

भवानीप्रसाद मिश्र

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

अनुवाद विज्ञान

Syllabus

अनुवाद की समस्याएँ

वैज्ञानिक, तकनीकी तथा प्रौद्योगिकी साहित्य के अनुवाद की विवेचना

विधि साहित्य के अनुवाद की समस्याएँ

कार्यालयी अनुवाद की समस्याएँ

विधि साहित्य के अनुवाद का अभ्यास

कोष, पारिभाषिक शब्दावली, थिसारस कम्प्यूटर आदि

पुनरीक्षण, संपादन, मूल्यांकन

मशीनी अनुवाद

अनुवाद की सार्थकता, प्रासंगिकता एवं व्यावसायिक परिदृश्य

अनुवाद के गुण

पाठ की अवधारणा और प्रकृति

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

भारतीय साहित्य

Syllabus

प्रथम खण्ड

भारतीय साहित्य का स्वरूप

भारतीय साहित्य के अध्ययन की समस्याएँ

भारतीय साहित्य में आज के भारत का बिंब

द्वितीय खण्ड

इसके अंतर्गत हिन्दीतर साहित्य का अध्ययन अपेक्षित है।

पश्चिमोत्तर भाषा वर्ग– उर्दू।

तृतीय खण्ड

इस खण्ड के अंतर्गत तुलनात्मक अध्ययन अपेक्षित हैं। छात्रों को इस प्रश्न पत्र में उर्दू और हिन्दी को जोड़कर अध्ययन करना होगा।

चतुर्थ खण्ड

बंगला उपन्यास की विकास–यात्रा

संग्रह वर्षा की सुबह

नाटक घासीराम कोतवाल

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

पत्रकारिता प्रशिक्षण

Syllabus

पत्रकारिता का स्वरूप और प्रमुख प्रकार

विश्व पत्रकारिता का उदय एवं भारत में पत्रकारिता का आरम्भ

हिन्दी पत्रकारिता का उद्भव एवं विकास

समाचार पत्रकारिता के मूल तत्वँ

सम्पादन कला के सामान्य सिद्धान्त

समाचार–पत्रों के विभिन्न स्तम्भों की योजना

दृश्य सामग्री की व्यवस्था और फोटो पत्रकारिता

समाचार के विभिन्न स्त्रोत

भारतीय संविधान में प्रयुक्त मौलिक अधिकार–सूचनाधिकार एवं मानवाधिकार

लोक–संपर्क तथा विज्ञापन

प्रसार भारती तथा सूचना प्रौद्योगिकी

प्रेस सम्बन्धी प्रमुख कानून तथा आचार संहिता

प्रजातान्त्रिक व्यवस्था में चतुर्थ स्तम्भ के रूप में पत्रकारिता का दायित्व

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

प्रेमचंद (साहित्यिक वर्ग)

Syllabus

पाठ्य ग्रंथ

पाठ्यांश : प्रेमचंद के उपन्यास एवं कथा साहित्य से निम्नलिखित उपन्यास एवं कहानियाँ निर्धारित हैं

उपन्यास

1. गोदान, 2. कर्मभूमि, 3. रंगभूमि, 4. गबन।

कहानिया

कफन, पूस की रात, पंच परमेश्वर, बड़े भाई साहब, बड़े घर की बेटी, बूढ़ी काकी, नमक का दरोगा, ईदगाह, ठाकुर का कुआं, शतरंज के खिलाड़ी, अलग्योझा, नशा, उपदेश, मुक्तिधन, स्वामिनी, मुक्तिमार्ग नाटक 'कर्बला'

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

तुलसीदास (साहित्यिक वर्ग)

Syllabus

पाठ्य ग्रंथ

पाठ्यांश : याख्या एवं विवेचना के लिए गोस्वामी तुलसीदास की सम्पूर्ण रचनाएँ निर्धारित है।

रचनाएँ

रामचरितमानस

विनय पत्रिका

गीतावल

कवितावली

तुलसी की भक्ति पद्धति

वरवै रामायण

रामाज्ञा प्रश्न

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

जयशंकर प्रसाद (साहित्यिक वर्ग)

Syllabus

पाठ्य काव्य

निम्नलिखित बिन्दुओं पर आलोचनात्मक प्रश्न दिये जायेंगे :

1. छायावादी काव्यधारा में प्रसाद का स्थान
2. प्रसाद की काव्य प्रतिभा एवं कला–सौष्ठव
3. छायावाद और प्रसाद की वैयक्तिकता
4. प्रसाद की दार्शनिक चेतना
5. महाकवि प्रसाद और उनका महाकाव्य
6. कामायनी में प्रसाद के सामाजिक जीवन संबंधी विचार
7. कामायनी के लज्जा सर्ग का महत्व
8. कामायनी में जीवन की प्रमुख समस्या का समाधान एवं आनन्दवाद की प्रतिष्ठा
9. आँसू का काव्य–सौष्ठव
10. लहर का काव्य–सौष्ठव

काव्य रचनाएँ

1. चित्राधार
2. प्रेम पथिक
3. करूणालय
4. महाराजा का महत्व
5. कानन कुसुम
6. झरना
7. आँसू
8. लहर
9. कामायनी

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

कबीरदास (साहित्यिक वर्ग)

Syllabus

पाठ्य विषय

(क) रमेणी

निम्नलिखित बिन्दुओं पर आलोचनात्मक प्रश्न दिये जाएँगे :

निर्गुण सम्प्रदाय और कबीर

संत क्रयधारा में कबीर का स्थान

कबीर का दर्शन एवं भक्ति भावना

कबीर के दार्शनिक विचार

कबीर की काव्य प्रतिमा

भाषा एवं अभिव्यंजना

कबीर का रहस्यवाद

हठयोग की साधना

कबीर का समाज सुधारक रूप एवं युग सापेक्षता

(ख) साखी

1. गुरूदेव कौ अंग – प्रारंभिक 25 साखियाँ
2. विरह कौ अंग – प्रारंभिक 25 साखियाँ
3. ज्ञान विरह कौ अंग – प्रारंभिक 10 साखियाँ
4. परचा कौ अंग – प्रारंभिक 25 साखियाँ
5. सुमिरण कौ अंग – प्रारंभिक 25 साखियाँ
6. रस कौ अंग – प्रारंभिक 09 साखियाँ
7. चिंता कौ अंग – प्रारंभिक 25 साखियाँ
8. मन कौ अंग – प्रारंभिक 25 साखियाँ
9. माया कौ अंग – प्रारंभिक 20 साखियाँ
10. कामना कौ अंग – प्रारंभिक 20 साखियाँ
11. सोच कौ अंग – प्रारंभिक 20 साखियाँ
12. उपदेश कौ अंग – प्रारंभिक 05 साखियाँ

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Hindi Final Year

सूरदास (साहित्यिक वर्ग)

Syllabus

पाठ्य विषय :

पाठ्यपुस्तक एवं पाठ्यांशों के आधार पर निम्नलिखित बिन्दुओं पर आलोचनात्मक प्रश्न दिये जायेंगे ।

1. कृष्ण काव्य धारा में सूर का रूझान, काव्य प्रतिभा, मौलिक उद्भावना – सामर्थ्य एवं अभिव्यंजना कौशल
2. अष्टछाप के कवियों में सूर का स्थान
3. भ्रमरगीत परम्परा में सूर के भ्रमरगीत का स्थान
4. सूर की भक्ति भावना एवं पुष्टिमार्ग
5. सूर के दार्शनिक विचार
6. सूर का वात्सल्य श्रृंगार / प्रेम / भक्ति / ज्ञान एवं लोक – संस्कृति
7. सूर का काव्य – सौष्ठव

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year
Fundamentals of Maharishi Vedic Science
(Maharishi Vedic Science – I & II)
Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.
The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

हिन्दी भाषा

Syllabus

इकाई–1

मानक हिन्दी भाषा– मानक का अर्थ, मानक भाषा के विभिन्न नाम, मानक हिन्दी के लक्षण, आवश्यकता आधुनिकीकरण की प्रक्रिया और मानक भाषा पर पड़ने वाले विभिन्न प्रभाव, मानक हिन्दी का स्वरूप, मानकीकृत भाषा के प्रमुख लक्षणों का सार। मानक हिन्दी के प्रकार– हिन्दी के रूप, व्याकाणिक, ढांचा, मानक हिन्दी की शैलियां (1) संस्कृत निष्ठ हिन्दी, (2) उर्दू, (3) हिन्दुस्तानी।

इकाई–2

अशुद्धियां और उनका संशोधन – अशुद्धियों के प्रकार (1) उच्चारण तथा वर्तनीगत अशुद्धियां, (2) शब्दगत अशुद्धियां, (3) शब्दार्थगत अशुद्धियां, (4) वाक्यगत अशुद्धियां।

विभक्ति संबधी अशुद्धियां– (क) कर्तारक, (ख) कर्मकारक, (2) लिंग संबंधी अशुद्धियां, (3) वचन संबंधी अशुद्धियां, (4) विशेषण संबंधी अशुद्धियां, (5) विपरीत शब्दों के प्रयोग संबंधी अशुद्धियां।

हिन्दी का शब्द भंडार– (क) शब्दों को प्रकार, तत्सम, तद्भव, अर्ध तत्सम, देशी, विदेशी, धार्मिक और सांस्कृतिक, शासन संबंधी, शिक्षा संबंधी, काम–धंधे संबंधी, खान–पान संबंधी, पहनावा संबंधी, फल–फूल संबंधी।

इकाई–3

हिन्दी की वाक्य रचना और विराम चिन्ह– (1) वाक्य और प्रकार, वाक्य के लक्षण, वाक्य की उपादेयता, समर्थ और असमर्थ वाक्य।

वाक्य परिवर्तन, विधानवाचक से निषेध वाचक, निश्चय वाचक, प्रश्नवाचक, विस्मयादिक बोधक, वाक्य परिवर्तन विशेषण की तुल्नावस्था में परिवर्तन, शब्दों का परिवर्तन, सरल से मिश्र वाक्य, संयुक्त वाक्य तुलनात्मक अध्ययन, वाक्य बदलना, वाक्य परिवर्तन, वाक्य के भेद, विधिवाचक, निषेध वाचक, आज्ञावाचक, प्रश्नवाचक, विस्मयवाचक, इच्छावाचक, संदेहवाहक, संकेतवाचक।

इकाई–4

उपवाक्यों के भेद– संज्ञा उपवाचक, विशेषक उपवाचक, क्रिया विशेषक, कालवाचक, स्थानावाचक, परिमाण वाचक, रीतिवाचक, कार्यकरण वाचक, हिन्दी में प्रयुक्त विराम चिन्ह–पूर्ण विराम, अल्पविराम। पत्रलेखन, सारलेखन, पल्लवन।

पत्र लेखन– पत्र लेखन के प्रकार, पत्रों के उदाहरण एवं पत्र लेखन की विशेषताएं (1) निजी पत्र, निमंत्रण पत्र, (2) व्यावसायिक पत्र, व्यावसायिक पत्रों के प्रकार, (3) शासकीय एवं अर्द्धशासकीय पत्र, (4) आवेदन पत्र, समस्या प्रधान, आलोचनात्मक शिकायती सुझाव संबंधी स्पष्टीकरण पत्र, (ख) सार लेखन, (ग) पल्लवन।

इकाई–5

भारतीय संस्कृति – भारत देश और उसके निवासी – रामधारी सिंह 'दिनकर' । भारतीय समाज की संरचना, सामाजिक गतिशीलता (प्राचीन से लेकर आधुनिक काल तक), धर्म और दर्शन।

भारतीय संस्कृति का विश्व पर प्रभाव, मध्यप्रदेश का सांस्कृतिक वैभव।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

English Language

Syllabus

Unit – I

Simple, Compound and Complex Sentences. Coordinate Clause (With, But, Either - Or Neither-Nor, Otherwise or Else).

Unit – II

Subordinate clauses – noun clauses as subject, Object and complement: Relative clauses (restrictive and nonrestrictive clauses) Adverb clauses (open and hypothetical, conditional, with, because, though, here, so that, as long as, as soon as).

Comparative Clause (as + = adjective/adverb + as-no sooner than).

Unit – III

Tenses: Simple present, progressive and present perfect. Simple past, progressive and past perfect. Indication of Futurity. The passive (Simple present and past, present and past perfect and to infinitive structure).

Unit – IV

Reported Speech: (i) Declarative sentences, (ii) Imperatives (iii) Interrogatives , Exclamatory sentences. Models (will, shall, should, would, ought to, have to/have got to, can, could, may-might and need).

Unit – V

Verb Structures (Infinitives and gerundial), Linking devices. Letter (both formal and informal).

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

उद्यमिता विकास (Development of Entrepreneurship)

Syllabus

इकाई–1

उद्यमिता – परिभाषा, विशेषताएँ एंव महत्व, एक उद्यमी के प्रकार एवं कार्य, एक अच्छे उद्यमी के गुण, उद्यमिता अभिप्रेरणा घटक।

इकाई–2

लक्ष्य प्राप्ति की प्रेरणा एवं विचारों की स्थापना, लक्ष्य निर्धारण एवं चुनौती का सामना, समस्या समाधान एवं सृजनात्मकता, क्रमबद्ध योजना एवं क्षमता की दिशाबद्धता, आत्मविश्वास का विकास, सम्प्रेषण कला, प्रभावित करने की क्षमता, नेतृत्व।

इकाई–3

परियोजना प्रतिवेदन। चुनी हुई प्रक्रिया का मूल्यांकन । विस्तृत परियोजना प्रतिवेदन–आवश्यकता एवं प्रासंगिकता परियोजना प्रपत्र के प्रमुख भाग। परियोजना प्रतिवेदन तैयार करना।

संगठन के प्रकार का चयन– एकाकी व्यवसाय, साझेदारी एवं सहकारी समिति का अर्थ एवं विशेषताएँ, संगठन के चयन को प्रभावित करने वाले घटक।

आर्थिक प्रबंधन – वित्तीय संस्थान एवं बैंकों की भूमिका, बैंकिंग, वित्तीय योजना, कार्यकारी पूँजी–मूल्यांकन तथा प्रबन्धन, लागत व मूल्य निर्धारण तथा लाभ का मूल्यांकन, आर्थिक लेखा–जोखा रखना।

इकाई–4

उत्पादन का प्रबन्धन– खरीदने के तरीके, चल सम्पत्ति/माल का प्रबन्धन, गुणवत्ता प्रबन्धन, पैंकिंग, विपणन प्रबन्धन, बिक्री एवं बेचने की कला, बाजार की समझ एवं विपणन नीति, उपभोक्ता प्रबंधन, समय प्रबन्धन, नियामक संस्थाओं की भूमिका–जिला उद्योग केन्द्र, प्रदूषण निवारण मंडल, खाद्य एवं औषधि प्रशासन, विद्युत विभाग तथा नगर निगम का विशेष अध्ययन।

विकासात्मक संस्थाओं की भूमिका, खादी एवं ग्रामीण आयोग/बोर्ड, मध्यप्रदेश वित्त निगम, अनुसूचित बैंक, मध्य प्रदेश का महिला आर्थिक विकास निगम।

इकाई–5

स्वरोजगार मूलक योजनाएँ – प्रधानमंत्री रोजगार योजना, स्वर्ण जयंती शहरी रोजगार योजना, रानी दुर्गावती स्वरोजगार योजना, दीनदयाल स्वरोजगार योजना।

विभिन्न अनुदान योजनाएँ – लागत पूँजी अनुदान, ब्याज अनुदान, प्रवेश कर से छूट, परियोजना प्रतिवेदन, प्रतिपूर्ति अनुदान आदि।

महिला उद्यमियों हेतु विशेष प्रेरणाएँ, संभावनाएँ एवं समस्याएँ।

मध्यप्रदेश आदिवासी वित्त विकास निगम की योजनाएँ, म.प्र. अन्त्यावसायी निगम की योजना, म.प्र. पिछड़ा वर्ग एवं अल्पसंख्यक वित्त विकास निगम की योजनाएँ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year
Introduction to Sociology
Syllabus

UNIT - I

Sociological Perspectives : The Meaning of sociology : The Sociological perspective, Sociology and Social Sciences, The Scientific and humanistic orientations to Sociological study.

UNIT - II

Basic Concepts : Society, Community, institution, association, group, social structure, status and role.

UNIT - III

Institutions, Individual In/And Society : Family and kinship, religion, education, politics. Society culture and socialization, relation between individual and society.

UNIT - IV

Social Stratification, Mobility and Social Change : Social Stratification, mobility : meaning, forms and theories.
Social Change: meaning and type, evolution and revolution, progress and development. Factors of social change.

UNIT - V

The Uses of Sociology : Introduction to applied sociology, Sociology and social problems, sociology and social change, sociology and social policy and action, sociology and development, sociology and professions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

Society in India

Syllabus

UNIT – I

Views about Indian Society- The Classical view ; Varna, Ashram, Karma and Dharma Field view: M.N. Shrinivas, S.C. Dubey and Andre Beteille Significance and Interface of classical and field views.

UNIT –II

The Structure and Composition of Indian Society- Structure: Village, Town, Cities and Rural-Urban linkages

Composition: Tribes, Dalits, Woman and Minorities.

UNIT – III

Basic Institutions of Indian Society- Cast system Kinship family, marriage class, changing dimensions.

UNIT – IV

Familiar problems- Dowry, domestic violence, divorce, intra and intergenerational conflict, problem of elderly.

UNIT – V

Society Problems- Casteism, regionalism, communalism, corruption, white collar crime, suicide.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

Political Theory

Syllabus

UNIT – I

Political science : Definition, nature and scope , Nature and significance of political theory (Tradition and modern) . Methods , Relation with social sciences sociology , history economics, psychology and geography. Definition , nature and scope , Nature and significance of political theory (Tradition and modern) . Methods , Relation with social sciences sociology, history economics , psychology and geography.

UNIT –II

Power and authority – State : Origin and development . state : Dominant perspectives – sovereignty , pluralists criticism.

UNIT – III

Citizenship Rights – Principles of rights specific rights and duties and human rights liberty equality and justices.

UNIT – IV

Democracy – Meaning , types and theories Principals of representation . Development and welfare state . Legislature executive and judiciary . Theory of separation of power.

UNIT – V

Constitution – Meaning and types of government – Dictatorship Parliamentary and Presidential Unitary and Federal and Federal . Party system, pressure groups feminism.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

Indian Government and Politics

Syllabus

Unit I

Brief History of Indian National Movement, Theme Marketing of India's constitution and its sources. Basic features of Indian's Constitution. Preamble of Indian Constitution.

Unit II

Fundamental rights and duties .Directives principles of State policy. The election commission and electoral reforms.

Unit III

Union Government :Presidents ,Parliament, Cabinet and Prime Minister. Supreme Court.

Unit IV

The State Government: Governors, Legislative Council, Council Of Ministers and the Chief Minister. Centre-State Relations.

Unit V

Political Parties: National and Regional Parties .Major issues in Indian Politics –

(a) Casts (b) Religion (c)Languages (d) Region (e)Poverty-Alleviation

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

History of India up to C.A.D. 1200

Syllabus

UNIT – I

A. History its concept, nature, scope and significance.
B. Survey of Sources, land environment and people, Pre-Historic hunters, gatherers. Paleolithic culture and sequence and geographical distribution.
C. Mesolithic Culture : distribution, culture developments with special reference to rock art.
D. Harappan Civilization : Origin, extent urban planning, nature of political and economic organization urban decline. Late Harappan culture and economic patterns in non-Harappan India.

UNIT – II

A. Society, polity, economy, culture and religion as reflected in Vedic literature, Iron age culture in India Megaliths in Deccan for south and North.
B. Social Developments : Varna, Jati, Occupational Categories, Marriage prop
C. Rise of territorial states. Rise of New religious movements in North India. Doctrines and social dimension of early Buddhism and Jainism.

UNIT – III

A. The Mauryan Empire, State administration and economy, Mauryan Empire :Ashoka's Dhamma its nature and propagation, Mauryan art and architecture.
B. Post Mauryan Period : Sungas, Western Kshatrapas, Sathavanas, Kushanas.
C. Post Mauryan, social cultural developments with reference to the Kushanas and Sathavanas, Mathura and Gandharva art and architecture.

UNIT – IV

A. Important Powers in the South : Cheras, Cholas and Pandayas in the far South,. Urban growth, Craft production trade and coinage. Sangam age :Literature, Society and Culture.
B. Post graduate period up to 750 AD Pallavas, Chalukyas and Vardhanas. Polity and economy (750 to 1200 AD)
C. (i) North India : Gurjars, Partiharas, Palas and Senas.
   (ii) Deccan : Rastrakulas and their contemporaries.
   (iii) Cholas and their contemporaries. Relation with South East Asia and Sri Lanka.
   [Topic (i), (ii) and (iii) must be related to political institutions, economy, land grants, agrarian expansions, inter regional and maritime guilds.]

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

UNIT – V

A. Gupta Empire and its contemporaries, administration, agrarian and revenue systems, changing patterns of urban settlement and state.
B. Development in the Gupta and post Gupta times (upto 1200 AD.)
    a. North : Society, art, literature, philosophy, science and technology.
    b. South : Temples, Bhakti Movement, art and architecture.
    c. Status of women, marriage, property rights, Sati, Purdah and Devdasi System.
    d. Shifts in Varna, Proliferation of Jatis, Salvery and Forced labour,
C. Invasion of Arabs – Gaznavis and Ghoris and their impacts.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

Western World from mid 15th Century to 1871 AD

Syllabus

UNIT-I

Decline for Feudalism. The ride of the Modern Era-Renaissance, Reformation and Counter Reformation, Rise of the Absolute State: Spain, France and Britain

UNIT-II

Economic origins of the Modern Western world-Mercantilism; and commercial Revolution: Beginnings of Colonialism. Scientific revolution, Agriculture Revolution; industrial revolution and emergence of new social classes

UNIT-III

Glorious Revolution of 1688 AD.
American Revolution (1776).
French Revolution (1789).causes, progress and impact.

UNIT-IV

Age of Napoleon-his rise and fall.
Vienna congress (1815), Age of Metternich, concert of Europe, Holy Alliance, Revolution of 1830 and 1848 AD.
Eastern Question up to Crimean War.AD. Napoleon III

UNIT-V

Age of Conservatism European Exploitation of Asia and America. Liberalism in England-Act of 1832 Chartist Movement, American Civil War. Unification of Italy, Unification of Germany.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

Micro Economics

Syllabus

Unit-I

Evolution Of definition of Economics, Nature and Scope of economics, Methods of economic analysis, Basic concepts: Utility, Demand, Supply, Commodity, Free goods, Value and price, Market, Administrated vs. Flex Price.

Unit-II

Utility: cardinal(Marshall) and ordinal Utility approaches to Demand: Indifference Curve: Consumer equilibrium (hicks and Slutsky), Giffin Goods, Compensated demand, elasticity of demand ,Price, Income and Cross ,Consumer surplus

Unit-III

Production Function : Iso quant's, Law of Constant and variable proportions, Return to Scale, Economics of Scale ,Different concepts of cost –marginal, average ,total fixed and variable, opportunity costs: Equilibrium of the firm.

Unit-IV

Forms and structure of Market: Perfect, Monopolistic, Oligopolistic Monopoly, Discriminating Monopoly, Determination of price in various Markets.

Unit-V

Factor Pricing: Marginal Productivity Theory, Adding up Theorem, Modern Theories of Wages, Interest, Profit and Rent.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

Indian Economics

Syllabus

Unit - I

Structure Of Indian economy. Basic Features: natural recourses, land water and forest resources, demographic features: Population, size, sex, Rural-urban Classification, Population distribution, composition of gross Domestic Product

Unit - II

Agriculture: Nature and Importance, Land use Pattern, Trends in agricultural, production and productivity, Land reform, Green revolution, rural credit, agriculture marketing, mechanization, changes in cropping patterns of Madhya Pradesh

Unit - III

Industrial Policy: 1956, 1991, Role of Public sector in Industrialization, Post reform changes in public and private sector .Role and importance of small scale industries and challenges posed by reform .Problem of prospects of industrialization in M.P.

Unit - IV

Infrastructure for Indian economy: Power, Transportation and communication, India's Foreign Trade: Composition and direction, balance of payment, role of foreign direct Investment, and Multinational corporations.

Unit - V

Indian economy on eve of independence, Planning in India ,objective strategy achievements and failures ,Analysis of current five years plan, Problems of poverty, Unemployment and rising prices.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

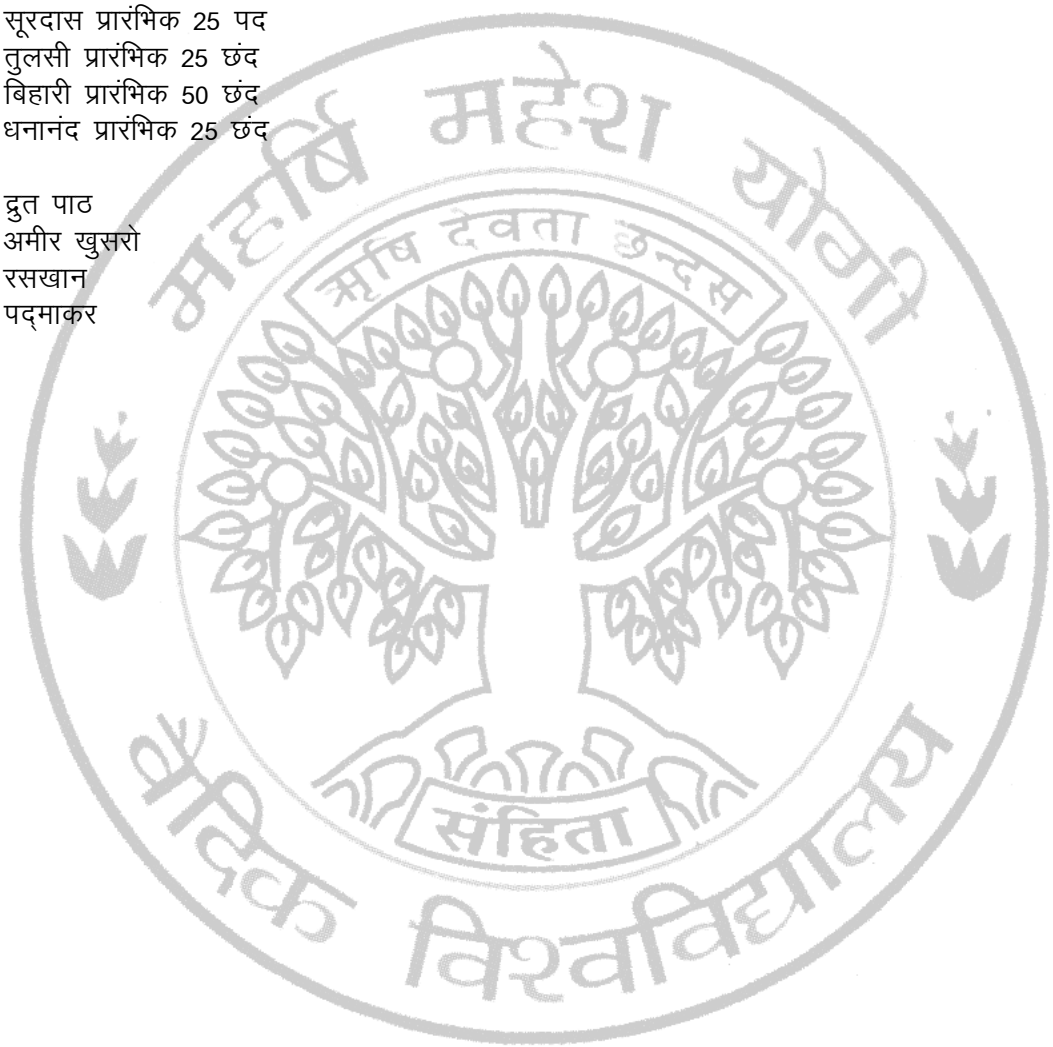
BA(Bachelor of Art)-First Year

प्राचीन हिन्दी काव्य

Syllabus

कबीर प्रारंभिक 50 साखियाँ
सूरदास प्रारंभिक 25 पद
तुलसी प्रारंभिक 25 छंद
बिहारी प्रारंभिक 50 छंद
धनानंद प्रारंभिक 25 छंद

द्रुत पाठ
अमीर खुसरो
रसखान
पद्माकर



MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

हिन्दी कथा साहित्य

Syllabus

उपन्यास उपन्यास

प्रेमचंद : गबन

कहानीकार	कहानी
1. जयशंकर	पुरस्कार
2. प्रेमचंद	कफन
3. यशपाल	परदा
4. कमलेश्वर	राजा निरबंसिया
5. फणीश्वरनाथ रेणु	तीसरी कसम उर्फ मारे गये गुलफाम
6. भीष्म साहनी	चीफ की दावत
7. मोहन राकेश	मलबे का मालिक
8. अमरकांत	दोपहर का भोजन

कथाकार

1. सुदर्शन
2. मार्कण्डेय
3. राजी सेठ

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

Western World From Mid 15th Century To 1871 A.D.

Syllabus

इकाई– 1

मध्ययुगीन यूरोपीय सामन्तवाद एवं उसका पतन

इकाई– 2

वाणिज्यवाद की अवधारणा एवं परिभाषा

इकाई– 3

अमेरिका का स्वतंत्रता संग्राम

इकाई– 4 फ्रांस के नए संविधान का निर्माण

इकाई– 5

यूरोपीय राष्ट्रों द्वारा अमेरिका का शोषण

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year
Literature In English (1550-1750)
Syllabus

Unit - I

A. Shakespeare-Sonnet No 1 "From Fairest Creatures "Sonnet No.154 " The Little Love God."
B. Milton-How soon hath Time the Subtle the if of Youth…
C. John Donne –Sweetest love I don't go: This is My Play's Last Scene.

Unit-II
Poetry

A. John Dryden –Portrait of Shadwell
B. Alexander Pope-Form 'An Essay on Criticism (True case in writing… and the world's Victor Stood Subdued by sound.'

Unit - III
Porse

A. Bacon-Of Studies ;Of Regimen Of Health ;Of Expenses.
B. Addison-Sir Roger at Home
C. Steele-Of the Club.

Unit - IV
Drama
Shakespeare-The Merchant of Venice Fiction
Swift-The Battle of the Books

Unit - V
Historical and Literary Topics
The Renaissance ,Humanism, Reformation, The civil war and Protector, The Restoration, The Rise of Colonialism. Earlier Drama, Petrarchism & the sonnet Cycle, The Influence of Seneca and Classical Dramatic Theory, The Elizabethan and Jacobean stage ,English Renaissance Drama, Restoration Drama, The Rise of Periodical Essay.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year
Literature In English (1750-1900)
Syllabus

Unit-I

(a) Blake –Tiger ,Burning Bright
(b) Wordsworth-Tintern Abbey
(c) Coleridge-frost in Midnight

Unit-II

(a) Shelley-Ode to a Skylark
(b) Keats-Ode to Autumn
(c) Tennyson- Crossing the Bar
(d) Browning-Prospice

Unit-III

Prose

(a) (a)Lamb-Valentine Day
(b) (b)Hazlitt-On Actors and Acting

Unit-IV

Fiction

Jane Austen-Pride and Prejudice

Fiction

Charles Dickens-A Tale of Two Cities

Unit-V

Historical and Literary Topics

The French Revolution, The American War of Independence ,The Reform Acts, The Impact of Industrialization ,Colonialism And Imperialism, Marx And Engels ,Scientific Thought & Discoveries ,Faith And Doubt, Classical And Romantic Concepts Of Imagination, Varieties Of Romantic And Victorian Poetry, The Victorian Novel, Victorian Prose, Aestheticism

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

संस्कृत भाषा नैपुण्य

Syllabus

इकाई– 1

व्याकरण

शब्द रूप

राम, कवि, भानु, पितृ, लता, मति, नदी, वधू, मातृ, फल, वारि, आत्मन्, वाच्

सर्व, तद्, एतद्, यत्, इदम्,

अस्मद् तथा युष्मद्

धातु – रूप

पठ्, भू, कृ, अस्, रुध्, क्री, चुर, तथा सेव्

(केवल पाँच लकार – लट्, लोट्, विधिलिङ्, लङ्, लृट)

इकाई– 2

लघु सिद्धान्त – कौमुदी

प्रत्याहार एवं संज्ञा

सन्धि

विभक्ति

इकाई– 3

साहित्य

हितोपदेश (मित्रलाभ)

स्वप्नवासवदत्तम

इकाई– 4

अनुवाद एवं निबंध

हिन्दी से संस्कृत

इकाई– 5

संस्कृत से हिन्दी

निबंध (संस्कृत में)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-First Year

संस्कृत भाषा–2

Syllabus

इकाई– 1
वेद एवं दर्शन
(क) ऋग्वेद (1, 1) तथा अथर्ववेद (1, 2)
(ख) तर्कसंग्रह पर प्रश्न

इकाई– 2
काव्य– रघुवंश प्रथमसर्ग
व्याख्या
आलोचनात्मक प्रश्न

इकाई– 3
काव्यशास्त्र
साहित्य दर्पण प्रथम परिच्छेद

इकाई– 4
वाल्मीकि रामायण बालकाण्ड (प्रथमसर्ग)
व्याख्या
आलोचनात्मक प्रश्न

इकाई– 5
महाभारत शान्तिपर्य (अध्याय 192)
व्याख्या
आलोचनात्मक प्रश्न

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)- Second Year

हिन्दी भाषा–2

Syllabus

इकाई–1

(क) हिन्दी की व्याकरणिक कोटियाँ : रचनागत और प्रयोगगत उदाहरण संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण आदि तथा समास, सन्धि एवं संक्षिप्तियों रचना और प्रयोगगत विवेचन।

(ख) पाठ : मुक्त गगन है : माखनलाल चतुर्वेदी। शिकागो व्याख्यान : स्वामी विवेकानन्द और वर्ण विन्यास : विश्वनाथ प्रसाद मिश्र।

इकाई–2

(क) विविध विषयों पर संक्षिप्त निबंध लेखन।

(ख) पाठ : क्या लिखूँ : पदुमलाल पुन्नालाल बख्शी। भय से मुक्ति : जे कृष्णमूर्ति। शिरीष के फूल : हजारी प्रसाद द्विवेदी। माण्डव : रामनारायण उपाध्याय, पर्यावरण और राष्ट्रीय सेवा योजना, नर–नारी समानता।

इकाई–3

(क) हिन्दी में प्रयुक्त पारिभाषिक एवं तकनीकी शब्दावली तथा मुहावरे और लोकोक्तियाँ।

(ख) औद्योगिक क्रांति : डॉ. श्यामाचरण दुबे। छोटा जादूगर : जयशंकर प्रसाद।

इकाई–4

विज्ञान और साहित्य : जैनेन्द्र कुमार, विज्ञान परिभाषा, शाखाएँ और संक्षिप्त इतिहास, प्रमुख वैज्ञानिक आविष्कार, हमारा ब्रह्माण्ड और जीवन हमारा सौर मण्डल। जीवन : उद्‌भव और विकास, भारत की वनस्पतियाँ और जीव।

इकाई–5

भोजन और स्वास्थ्य।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)- Second Year
English Language-II
Syllabus

UNIT – I
Reading Comprehensions of an unseen Passage.

UNIT – II
Vocabulary.

UNIT – III
Report – Writing.

UNIT – IV
Expansion of ideas.

UNIT – V
Grammar.
Questions shall be asked from the prescribed text which will comprise specimens of popular creative/writing and following items.
(A) Matter & Technology

- State of Matter and its structure.
- Technology (Electronics, Communication, Space Science)

(B) Our Scientists & Institutions :

- Life & work of our Eminent Scientists : Arya Bhatt, aurd, Charak, Shohruta, Nagarjun, J.C. Bose, C.V. Raman, S. Ramanujan, Homi J. Bhabha, Birbal Sahani.
- Indian Scientific Institutions (Ancient & Modern)
- Gender Issues.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

Environmental Studies

Syllabus

UNIT – I

The Multidisciplinary nature of environmental studies Definition, scope and importance. Need for public awareness. Natural Resources: Renewable and non-renewable resources.

Natural resources and associated problems:

(a) Forest resource : Use and over-exploitation, deforestation, case studies, Timber extraction. Mining, drams and their effects on forests and tribal people.

(b) Water resources : Use and over-Utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

(c) Mineral resources : Use and exploitation , environmental effects of extracting and using mineral resources, cases studies.

(d) Food resources World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problem, water logging, salinity, case studies.

(e) Energy resources : Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources Case studies.

(f) Land resources : Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

- Role of an individual in conservation of natural resources.
- Equitable use of resources for sustainable lifestyles.

UNIT – II

Ecosystems : Concept of an ecosystem , Structure and function of an ecosystem. Producers, consumers and decomposers. Energy flow in the ecosystem. Ecological succession. Food chains, food webs and ecological pyramids.

Introduction, types, characteristic features, structure and function of ecosystem : (a) Forest ecosystem (b) Grassland Ecosystem. (c) Desert ecosystem . (d) Aquatic ecosystems (Ponds, streams, lakes, rivers, oceans, estuaries,

UNIT – III

Biodiversity and its conservation : Introduction – Definition : genetic, species and ecosystem diversity. Biogeographically classification of India. Value of biodiversity consumptive use, Productive use, Social, ethical, aesthetic and option values. Biodiversity at global, National and local levels. India as a mega diversity nation. Hot-spots of biodiversity. Treats to biodiversity : habitat loss, poaching of wildlife, man wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.

UNIT – IV

Environmental Pollution: Definition : Causes, effects and control measures of : Air Pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal polluting, Nuclear hazards.

Solid waste Management: Causes effects and control measure of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster management floods, earthquake, cyclone and landslides.

UNIT – V

Social Issues and the Environment : From Unsustainable to Sustainable development. Urban problem related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people, its problems and concerns Case studies. Environmental ethics : Issues and possible solutions. Climate change, global warming acid rain, ozone layer depletion nuclear accidents and holocaust. Case studies. Wasteland reclamation. Consumerism and waste products. Environments Protection Act. Air (Prevention and control of Pollution) Act. Water (Prevention and control of Pollution) Act. Wildlife Protection Act . Forest conservation Act. Issues involved in Enforcement of environmental legislation. Public awareness.

Human Population and the Environment: Population growth, Variation among nations. Population explosion – Family Welfare Program. Environment and human health. Human Rights. Value Education. HIV / AIDS. Women and Child Welfare. Role of Information Technology in Environment and human health. Case Studies.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

Rural & Urban Sociology

Syllabus

UNIT – I

CONCEPTUAL INTRODUCTION AND SUBJECT MATTER : Significance, subject matter & scope of Rural Sociology. Significance subject matter and scope of Urban Sociology. Meaning & characteristics of Urban and Rural community.

UNIT – II

FEATURES OF RURAL & URBAN SOCIETY: Distinctive character of Rural & Urban Society. Concept, characteristics and changes caste; family, occupation. Changing status of women with reference to community participation (Gram Panchayat, Social & ritual festivals) and institutional frame work (value, belief & normative patterns).

UNIT – III

CHALLENGE & CHANGE IN RURAL SOCIETY: Rural migration, rural development, changing power structure, leadership & factionalism. Panchayati Raj, Jajmani System and changing production relations.

UNIT – IV

URBAN SOCIETY IN INDIA : Migration – forms of migration. Issues related to urban development. Settlement, slums, environmental problems.

UNIT – V

RURAL AND URBAN RELATIONS : Rural and Urban continuum, local governance. Panchayati Raj system . (Panchayat, Nagar Panchayat).

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

Sociology of Tribal Society

Syllabus

UNIT – I

CONCEPTUAL INTRODUCTION : Tribe and Schedule Tribes – meaning and characteristics. Geographical, linguistic distribution and economic division of tribes in India.

UNIT – II

TRIBAL SOCIAL ORGANISATION: Matrilineal & Polyandrous Societies – Forms of marriage & family system. Kinship system among tribes.

UNIT – III

TRIBAL ECONOMY : Difference & similarity between tribe and caste, tribal society & Peasant Society; Tribal habitual and economy. Means of livelihood, occupations. Tribal Problems – tribal poverty, indebtedness and land alienation.

UNIT – IV

TRIBAL MOVEMENT & DEVELOPMENT : Tribal movement – Concept and causes. Tribal development in Madhya Pradesh- Policies & Programs.

UNIT – V

TRIBES OF MADHYA PRADESH : (With introductory knowledge about Bhils, Bhilala, Gond, Korkul)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year
Political Thought and Ideologies
Syllabus

UNIT – I

Characteristics of Ancient Indian Political Thought : Kautilya; Raja Ram Mohan Roy; Dayanand Saraswati; Vivekananda.

UNIT – II

Gopal Krishna Gokhale; Lokmanya Tilak; Mahatma Gandhi; Dr. B.R. Ambedkar, Dr. Ram Manohar Lohia.

UNIT – III

Characteristic of Greek Political Thought; Plato : Justice, Education, Communism, Ideal State. Aristotle : State, Slavery, Constitutions, Revolutions, Aristotle as the first scientific Political thinker.

UNIT – IV

Machiavelli as the first modern political thinker; Rousseau; Founders of Utilitarianism –Jeremy Bentham; John Stuart Mill- Ideology of Individualism.

UNIT – V

Idealist Thinkers – Hegel, T.H. Green; Scientific Socialism – Karl Marx; Harold J. Laski.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

Comparative Government and Politics of U.K., U.S.A., China and Switzerland

Syllabus

UNIT – I

U.K. Salient features, Executive, Legislature and Judiciary, Political Parties.

UNIT – II

U.S.A. : Salient features, Federal Executive, Legislature and Judiciary, Political Parties.

UNIT – III

China: Salient features, Central Executive, Legislature and Judiciary, Organization, and working of Communist Party.

UNIT – IV

Switzerland: Salient features, Federal Executive, Legislature and Judiciary, Direct Democracy,

UNIT – V

Comparative study of the Constitutions: Constitution Amendment: U.S.A. Switzerland. Federal system :U.S.A. Switzerland. Second Chambers: House of Lords, Senate. President of U.S.A. British Prime Minister and Swiss Plural Executive. Political Parties and party system . U.S.A. U.K. and China. Women and Political Process.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

History of India From 1200 A.D. to 1739 A.D.

Syllabus

UNIT – I

Survey of Sources of Medieval Indian History. Foundation and Consolidation of the Sultanate. Qutubuddin Ajbak and lltutmish . Razia and Balban. The Mongol Invasion. Alauddin khalji – His Conquest and reforms.

UNIT – II

Tughalaq : Mohammad Bin Tughlaq. Firuz Shah Tughlaq. Fragmentation of Sultanate and Rise of Provincial Kingdoms : Vijaynagar and Bahamani Kingdoms. Timur's Invasion and its impact. Invasion of Mughals : Babur and humayun. Shershah Suri.

UNIT – III

Consolidation and Territorial Expansion of Mughal Empire-Akbar. Mughal-Rajput Relations-Mahrana Pratap. Jahangir, Shahjahan, Mughal-Sikh Relations. Rise of Marathas, Shivaji-His Conquest and Administration. Aurangazeb and decline of mughal Empire, Nadirshah's invasion and its impact. Advent of European.

UNIT–IV

SULTANATE RERIOD : Social and Religious Life during the Sultanate Period-Bhakti and Sufi movement. Economic Life during Sultanate Period-Industry, Trade and Agriculture. Administrative system during sultanate Period.

UNIT – V

MUGHAL PERIOD: Mughal Administration and Institutions. Mansabdari System. Social and Religious Life during the Mughals, Status of Women. Economic Life during the Mughals-Agriculture , Trade Commerce. Architecture during the Mughals.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

Main Currents of world History from 1871-1945 A.D.

Syllabus

UNIT – I

Third Republic of France. Bismarck-Internal and Foreign Policy. Foreign Policy of William. Scramble for Africa.

UNIT – II

Eastern Question (From 1871) . Erlin Congress (1878). Young Turk Movement and Balkan wars (1912-13). First World War-Causes, events and aftermath. Russian Revolution of 1905 and 1917.

UNIT – III

14 Points of Wilson. Paris Peace Conference. League of Nations. Rise of Fascism.:- Mussolini-Internal and Foreign Policy,. Nazism :- Hitler Internal and Foreign Policy.

UNIT – IV

Imperialism and Colonialism in China Japan, Demand for concessions in China. Japan-The Meiji Restoration-Modernization of Japan. Rise of Militarism. Sino- Japanese War , (1894). Russo-Japanese War(1905). Boxer Movement. Chinese revolution – 1911, Sino-Japanese War II.

UNIT – V

World Polities From 1919-1939, Causes, events and effects of the II World war.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

MACRO ECONOMICS AND PUBLIC FINANCE

Syllabus

UNIT – I

National Income and Social Accounts: Concepts of National Income – G.D.P. GNP. N.N.P., Nominal and Real Income Measurement of National Income and Social Accounting. Environmental problems –Deforestation, Child Labour, Water and Air Pollution and their income Implications.

UNIT –II

Output and Employment: Classical Theory , Keynesian Theory – Aggregate Demand and Supply Functions and Effective demand, Propensities to consume and save/Invest. Principles of Multiplier and Accelerator.

UNIT – III

Rate of Interest: Classical Theory – Abstinence and Waiting. Neo-classical Theory – Loan able Fund. Keynesian Theory of liquidity Preference. Neo-Keynesian theory-IS & LM curves.

UNIT – IV

Public Finance: Public Finance and Public Economic: meaning, Nature and Scope. Meaning and nature of Public, Merit and Private Goods, Market and state – Role and Functions, Principle of Maximum Social Advantage, Sources of Revenue – Taxes, Loans, Grants and Aids – meaning and types. Canons of Taxation. Principles of Public Expenditure, Principles of Public Debt and Methods of Redemption.

UNIT – V

Public Finances in India: Sources of Revenue of Central and state Governments, Concept and Types of Budget, Fiscal deficit, Deficit Financing and Deficit Budget – meanings. Recommendations of last Finance Commission. Last Budget of Central and Madhya Pradesh Governments.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

MONEY, BANKING AND INTERNATIONAL ECONOMIC

Syllabus

UNIT – I

Basic Concepts and Theories of Money : Money-meaning, functions and classification; Greshm's law; Quantity theory of Money-Cash Transaction and cash Balance Approaches; Keynesian Approach; Inflation, Deflation and Recession Definition. Causes and Effects on Different segment of population and sectors of the Economy Types of Demand-Pull and Cost-Push Inflation. Measures to control Inflation . Deflation and Recession.

UNIT – II

Banking : Bank-meaning and Types. Central Bank and its Functions with reference to RBL. Credit Control. Qualitative and Quantitative methods. Objectives and Limitations of Monetary Policy. Functions of Commercial Banks, Meaning and method of Credit Creations. Recent Reforms in Banking Sectors and cheap Money Policy.

UNIT – III

International Economic : Meaning and Importance of International Economics. Intra and international trade. Theories of International Trade. Absolute and comparative Advantage, Factor Endowments; Heckscher – Ohlin.

UNIT – IV

Gains From Trade : Nature and types of Trade and Growth Gains. Current Pattern of Distribution of Gains of Trade between Developed and Developing Countries. Terms of Trade: Concept and types , Contribution to growth.

UNIT – V

Commercial Policies and Balance of Payments: Balance of Trade-Concept and Types, Composition and Structure of Both and its Relationship with Balance of Payments. Methods of Correction of imbalance of Payments. Commercial Policies; Meaning and Nature. Tariff and Non-Tariff Barriers as Instruments of Commercial policies. International Labour Standard and Environment concerns its Barriers to exports from the Third world. IMF, IBRD, and WTO.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

अर्वाचीन हिन्दी काव्य

Syllabus

कवि एवं उनकी कविताएँ

1. मैथिलीशरण गुप्त — 5 कविताएँ
2. जयशंकर प्रसाद — 5 कविताएँ
3. महादेवी वर्मा — 5 कविताएँ
4. माखनलाल चतुर्वेदी — 5 कविताएँ
5. स.ही. वात्स्यायन अज्ञेय — 5 कविताएँ

द्रुत पाठ्य हेतु निम्नलिखित तीन कवि :

1. सुभद्रा कुमारी चौहान
2. वीरेन्द्र मिश्र

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

हिन्दी भाषा : साहित्य का इतिहास तथा काव्यांग विवेचन

Syllabus

इस प्रश्नपत्र के निम्न तीन उपभाग होंगे :

(क) हिन्दी भाषा का स्वरूप : विकास

(ख) हिन्दी साहित्य का इतिहास

(ग) काव्यांग परिचय

पाठ्य विषय

(क) हिन्दी भाषा का स्वरूप – विकास : हिन्दी की उत्पत्ति, हिन्दी की मूल आकार भाषाएँ तथा विभिन्न विभाषाओं का विकास। हिन्दी भाषा के विभिन्न रूप।

1. बोलचाल की भाषा,
2. रचनात्मक भाषा,
3. राष्ट्रभाषा,
4. राजभाषा,
5. सम्पर्क भाषा,
6. संचार भाषा।

(ख) हिन्दी साहित्य का इतिहास : आदिकाल, पूर्वमध्यकाल, उत्तरमध्यकाल और आधुनिक काल की सामाजिक–राजनीतिक–सांस्कृतिक पृष्ठभूमि, प्रमुख युग–प्रवृत्तियाँ, विशिष्ट रचनाकार और उनकी प्रतिनिधि कृतियाँ, साहित्यिक विशेषताएँ।

(ग) काव्यांग : काव्य का स्वरूप, हेतु एवं प्रयोजन। रस के विभिन्न भेद, प्रमुख छंद, पाँच शब्दालंकार, पाँच अर्थालंकार।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

READING POETRY

Syllabus

UNIT – I

Annotations.

Thomas Gray – Elegy Written in a Country Churchyard.

UNIT – II

William Collins – Ode to Evening.

Matthew Arnold – Dover Beach.

UNIT – III

Sylvia Plath – Morning Song.

Christina Rossetti – Spring Quiet.

UNIT – IV

G.M. Hopkins – Pied Beauty.

W.H. Auden – The Unknown Citizen.

UNIT – V

Prosody, figures of speech and forms of poetry.

Prosody : Heroic Couplet. Blank Verse. Free Verse. Metrical Patterns – limbic, Trochaic.

Figures of speech: Simile. Metaphor. Antithesis. Oxymoron. Paradox. Personification Pathetic Fallacy .Irony. Onomatopoeia. Alliteration. Metonymy . Synecdoche

Forms of Poetry : Lyric. Ode. Sonnet. Elegy. Satire.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

READING OF FICTION AND DRAMA

Syllabus

UNIT – I

Annotations :

Section A - Fiction

Thomas Hardy – Far from the Madding Crowd. (Non-detailed)

UNIT – II

Oscar Wilde – The Happy Prince.

O. Henry – The Gift of the Magi.

Section B – Drama

UNIT – III

William Shakespeare – Macbeth.

UNIT – IV

J.M. Synge – Riders to the Sea.

UNIT – V

H.H. Munro – The Miracle Merchant.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

संस्कृत भाषा नैपुण्य–2

Syllabus

इकाई–1

व्याकरण

(क) वाच्य (कर्तवाच्य, कर्मवाच्य, भाववाच्य) वाच्य परिवर्तन का ज्ञान अपेक्षित होना।

(ख) समास : लघु सिद्धान्त कौमुदी से (विग्रह वाक्य तथा समास नाम अपेक्षित है)

इकाई–2

रघुवंश (द्वितीय सर्ग)

इकाई–3

शुकनासोपदेश (कादम्बरी से)

इकाई–4

अनुवाद

हिन्दी से संस्कृत

संस्कृत से हिन्दी

इकाई–5

संस्कृत वाग्व्यवहार

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA(Bachelor of Art)-Second Year

संस्कृत–3

Syllabus

इकाई–1

भावातीत दार्शनिक शाखाओं का सामान्य परिचय।

साख्य – योग, न्यायवैशेषिक, मीमांसा – वेदांत जैन, बौद्ध तथा चार्वाक।

आस्तिक दर्शनों नास्तिक दर्शनों

इकाई–2

शोडभां संस्कारों का परिचय

(विधान एवं महत्व का ज्ञान अपेक्षित है)

इकाई–3

अभिज्ञान शाकुन्तलम्

इकाई–4

नाट्यतत्व

(प्रस्तावना, नान्दी, सूत्रधार, विष्कंभक, प्रवेशक, नेपथ्य, विदूषक, भरतवाक्य)

इकाई–5

संस्कृत के प्रतिनिधि रूपकों का परिचय।

(भास, कालिदास, शूद्रक, विशाखदन्त एवं भवभूति भट्टनारायण की नाट्य कृतियों का परिचयात्मक ज्ञान अपेक्षित है)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)-Final Year

संप्रेषण कौशल, हिन्दी भाषा और सामान्य ज्ञान

Syllabus

इकाई–1

(क) भारत माताः सुमित्रानंदन पंत, परशुराम की प्रतीज्ञा : रामधारी सिंह दिनकर, बहुत बड़ा सवालः मोहन राकेश, संस्कृति और रा ट्रीय एकीकरणः योगेश अटल ।

(ख) कथन की शैलियाँ : रचनागत उदाहरण और प्रयोग।

इकाई–2

(क) विकासशील देशों की समस्यायें, विकासात्मक पुनर्विचार, और प्रौद्योगिकी एवं नगरीकरण ।

(ख) विभिन्न संरचनाएँ।

इकाई–3

(क) आधुनिक तकनीकी सभ्यता, पर्यावरण प्रदूषण तथा धारणीय विकास।

(ख) कार्यालीन पत्र और आलेख।

इकाई–4

(क) जनसंख्याः भारत के संदर्भ में और गरीबी तथा बेरोजगारी।

(ख) अनुवाद।

इकाई–5

(क) ऊर्जा और शक्तिमानता का अर्थशास्त्र।

(ख) घटनाओं, समारोहों आदि का प्रतिवेदन और विभिन्न प्रकार के निमंत्रण–पत्र।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)-Final Year

English Language and General Awareness

Syllabus

UNIT – I

Writing skills for compositing-essay writing

UNIT – II

Precise Writing.

UNIT – III

Reading Comprehension of an unseen passages

UNIT – IV

Vocabulary based on text

UNIT – V

Grammar : Advanced Exercises .

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)-Final Year

COMPUTER

Syllabus

UNIT – I

INTRODUCTION TO COMPUTER ORGANIZATION: History of development of computers , computer system concepts. Characteristics, Capability and Limitations. Generation of computers, types of PC's Desktop, Laptop, Notebook, Palmtop, workstation & their Characteristics. Basic components of a computer system, Control Unit, ALU, Input/ Output function and Characteristics, memory RAM, ROM, EPROM, PROM.

UNIT – II

INPUT, OUTPUT AND STORAGE, DEVICES : Input Devices : Keyboard, Mouse, Trackball, Joystick, Digitizing tablet, Scanners. Digital Camera, MICR, OCR. OMR. Bar-code Reader, Voice Recognition, Light pen, Touch Screen. Output Devices : Monitors Characteristics and types of monitor, video standard VGA, SVGA, XGA, LCD screen etc. Printer, Daisy wheel, Dot Matrix, Inkjet, laser, Line Printer, Plotter, Sound Card and speakers : Storage Devices : Storage fundamentals primary Vs Secondary, Various Storage Devices Magnetic Tape, Catridge Tape. Data Drives, Hard Disk Drives. Floppy Disks. CD, VCD, CD- R. CD-RW, Zip Drive. DVD. DVD-RW.

UNIT – III

INTRODUCTION TO OPERATING SYSTEM AND WORD : Introduction to operating systems. Its functioning and types. Basic commands of DOS & Windows Operating System. Disk Operating System (DOS): Introduction History and versions of DOS. DOS Basics : Physical structure of disk, drive name, FAT, file & director structure and naming rules. Booting process DOS system files. OS Commands: Internal DIR. MD, CD, RD. Copy DEL, REN, VOL,. DATE. TIME, CLS PATH, TYPES. External CHKDSK, SCOPY, PRINT, DISKCOPY, DISKCOMP. DOSKEY, TREE, MO. LABET, APPEND FORMAT, SORT, FDISK, BACKUP, EDIT, MODE, ATTRIB, HELP SYS etc. Executable V/s Non executable files in DOS. Word Processing : Word : Introduction to Word Processing. MS Word features, Creating, Saving and Opening Window Editing Text Selecting. Inserting, deleting, moving text. Previewing documents. Printing documents, Print a document from the standard toolbar, Print a document from the menu, shrinking a document to file page, Reduce the number of pages by one. Formatting Documents : Paragraph, formats, Aligning Text and Paragraph, Borders and shading, Header and Footer Multiple Columns.

UNIT – IV

INTRODUCTION TO EXCEL AND POWER POINT: Excel & Worksheet: Worksheet basics: Creating worksheet, entering data into worksheet, leading information, data, text, dates, alphanumeric, Values saving & quitting worksheet. Opening and moving around in an existing worksheet. Toolbars and Menus. Keyboard shortcuts. Working with single and multiple workbook coping, renaming, moving, adding, and deleting coping entries and moving between workbooks. Working with formulas & cell referencing. Autosum. Coping formulas. Absolute & Relative addressing. PowerPoint : Features and various versions. Creating presentation using slide master and template in various colour scheme. Working with different views and menus of PowerPoint : Working with slider make news slide move, copy, delete, duplicate, lay cutting of slide, zoom in or out of a slide. Editing and formatting text: Alignment, editing, inserting, deleting, selecting, formatting of text, find and replace text. Bullets,

footer, paragraph formatting, spell checking. Printing presentation Print slides, notes handout Clip Arts pictures and charts. Slides sorter, slide transition effects and other animation effects. Presenting the show making stand alone presentation Pack and go wizards.

UNIT – V

INTRODUCTION TO INTERNET: Evolution protocol, concept, Internet, Intratect, Dia-Up connectivity, leased , VSAT, Broad band, URLs. Domian names, Portals, e-mail, Pop & web based Email. Bastes of sending and receiving Emails, Email & Internet Ethics, Computer virus, Antivirus software wage. Web Browsers.

BOOKS RECOMMENDED :

1- Computer Fundamentals : P.K. Sinha, BPB publication.
2- Microsoft Office : Ron Mans field. BPB publication.
3- Introduction to computers : A. Leon & M. Lean.
4- Microsoft Office by Guru Courter & Annettes marquis, BPB publication.

Practical's Based Upon:

DOS : DOS commands : Internal s, & External commands. Special batch file Auto-exe. Bat Hard disk Setup.

Window : Desktop setting – new folder, rename, recycle bin operations, briefease, function. Control panel utility. Display properties : Screen saver. Background setting.

MS- Word : Creating file, save as, as HTML,. Save as, Text, template, RTE format . Page setup utility : Margin settings. Paper size, setting, paper source layout. Editing cut, paste, paste special, undo, redo, find, replace, goto etc. View file page layout Normal outline , master document ruler, header, footer, footnote, full screen. Insert : break, pagenumber, symbol, data & time, auto text, caption file, object, hyperlink, picture etc. Format : font, paragraph, bullets & numbering, border & shading, change case, columns. Table : Draw label, Insert table, cell handing, table autoformat, sort formula.

MS- Power Point: Creating new slide, formatting slid, slide layout, slide show & sorter, Inserting new slide, slide no., date, time, chart, formatting slide, tool operation.

List of suggested practical work :

1- Under standing of a dial up connection through modern.
2- Configuring a computer for an e-mail and using Outlook or Netscape Messenger.
3- Registration an e-mail address.
4- Understanding of address book maintenance for e-mail.
5- Understanding of e-mail drafting.
6- Understanding of different Mail program tools.
7- Send and receive functions of e-mail.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

BASIC THOUGHTS OF SOCIOLOGY

Syllabus

UNIT - I

Auguste Comte: Positivism, Hierarchy of Sciences, Law of Three Stage. Emile Durkhiem: Social Fact, Theory of Suicide, Theory of Religion , Division of Labour, Renaissance.

UNIT – II

Max Weber: Ideal Type, Theory of Social Action, Theory of Authority. Talcott Parsons: Theory of Social Action, AGIL Model, Personality System. Karl Marx: Dialectical Materialism, Class Struggle, Social Change.

UNIT-III

R.K. Merton: Theory of Functionalism, Theory of Middle Range, Reference Group. Vilfredo Pareto: Circulation of Elite, Residues and Derivations .

UNIT – IV

Mahatma Gandhi: Non-Violance, Satyagraha, Trusteeship. Radhakamal Mukerjee: Sociology of Values. Baba Saheb Bhimrao Ambedkar: Social Justice.

UNIT- V

M.N. Srinivas: Sanskritization, Westernization, Secularization . A.R. Desai: Rise of Nationalism in India.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

SOCIAL RESEARCH METHODS

Syllabus

UNIT–I

Social Research as a Scientific Study: Meaning, Scope & Significance of Social Research. Scientific method. Logic Social Sciences. Concept and Formulation of Hypothesis.

UNIT – II

Sources of Data Collection : Primary and Secondary Sources of Data Collection. Observation, Interview, Case Study. Questionnaire and Schedule.

UNIT–III

Research and its Presentation : Types of Social Research :Basic and Applied Research (B) Empirical Research . Tabulation, Tally Sheet. Report – Writing

UNIT–IV

Survey and Sampling : Survey – Meaning, Objective & Importance . Types of Social Survey. Difference between Social Survey & Social Research. Sampling – Concept and Types .

UNIT–V

Presentation of Data and Elementary Statistics : Measures of Central Tendency Mean, Mode, Median. Simple Graphs. Diagram – Single Line, Simple Bar, Double Bar; Triple Bar.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

INDIA AND INTERNATIONAL RELATIONS

Syllabus

UNIT–I

Indian foreign Policy : Basic principals, internal and external determinants. Practice and policy of Non-alignment, India's nuclear policy after 1968 . Major problems of Indian foreign policy.

UNIT–II

Nature and development of international relations after 1945. Cold war : Détente, post cold war, Non – alignment movement, New economic world order, North South dialogue, South – South dialogue.

UNIT–III

United Nations : Organization, working. Disarmament , N.P.T., C.T.B.T., START. Internaional financial organizations.

UNIT–IV

India's relations with U.S.A. China, Russia, Pakistan and Srilanka.

UNIT–V

India and United Nations, India and SAARC, India and ASEAN, India and European Common Market , India and contemporary international problem – Terrorism.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

PUBLIC ADMINISTRATION

Syllabus

UNIT–I

Definition of Public Administration, Nature and Scope ; Differences and Similarities between private and public Administration; Methods of study of Public Administration New Public Administration.

UNIT–II

Chief Executive, Legislature and Administrative Principles of organization – Hierarchy. Span of control, Unity of command; Centralization. Decentralization. Delegation of powers ; Line and staff Agencies.

UNIT-III

Personnel Administration . Recruitment, Promotion, Training, Settlement of disputes; Union Public Service Commission in India.

UNIT–IV

Financial Administration, Budget making in India; Accounting and Auditing in India; Administrative Reforms in India; Legislative and Judical control over Administration.

UNIT – V

Development Administration . Bureaucracy , Nature & Functions, Public Relation, Lokpal & Lok Ayukta. Public Administration in the age of Globalization and Liberalization.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

HISTORY OF INDIA FROM 1740 A.D. TO 1857 A.D.

Syllabus

UNIT–I

Political trends in mid 18th century, Anglo-French Conflict in Karnataka. Third Battle of Panipat Establishment of the East India Company's Rule in India – Battle of Plassey and Buxer. Diwan of Bengal Bihar and Orissa, Dual Government.

UNIT–II

Growth of Colonial Addminitration – Warren Hastings and Cornwallis,. Regulation Act. Pitts India Act. Anglo-Maratha Relations. Anglo-Mysore Relations, Wellesley and subsidiary Alliance.

UNIT–III

Maharaja Ranjit Singh and Anglo- Sikh Relations, Lord Hastings and British Paramountcy, Downfal of marathsa, Anglo – Burmese Relations, Anglo-Afghan Relations, Lord Dalhousie and Doctrine of Lapse , Revolt of 1857 – Nature. Causes, and Results.

UNIT–IV

Indian Renaissance – Socio Religious Movement, Raja Ram Mohan Roy and Brahma Samaj Lord Dalhousie Bentick. Status of Women. Growth of Western Education , Modernization of India.

UNIT–V

British Land Revenue Settlement – Permanent Settlement, Ryotwari and Mahalwari, Conditions of Peasants. Rural Indeptness. Commercialization of Agriculture. Drain of Wealth Decline of Cottage Industries and De- Industrialization.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

HISTORY OF INDIA FROM 1858 A.D. TO 1950 A.D. WITH EMPHASIS ON THE NATIONAL MOVEMENT

Syllabus

UNIT–I

Queen Victoria's Proclamation and Act of 1858, India Councils Act of 1861. Internal administration of Lytton and Ripon, Political Association and the Indian National Congress. Act. of 1892.

UNIT–II

Lord Curzon and Partition of Bengal, Swadeshi Movement, Moderates Extermists and Revolutionaries Government of India Act 1909. Home Rule Movement, Peasant and tribal Movements Lucknow pact, Rowlat Act. Jallianwala Bagh Massacre Government of India Act 1919 and Dyarchy.

UNIT–III

Gandhian Era- Khilafat and Non –co-operation movement. Swarajists, Simon commission, Lahore Congress and Civil Disobedience Movement, Reund-Table conferences, Government of India Act 1935 and Provincial Autonomy. Quit India movement.

UNIT–IV

Cripps Mission, Simple Conference, Cabinet Misson, Subhash Chandra Bose and INA, Communal Politics and partition of Indian Independence, Integration of Indian states Main features of the Indian Constitution.

UNIT–V

Indian Agriculture. British famine policy, Nature of Colonial Economy British Fiscal Policy and India's Economic Exportation ; rise of modern industry. Expansion of trade and commerce, Socio Religious movements – Arya Samaj, Ramkrishna mission. Theosophical Socity, Muslim Reforms Movements, upliftment of women, Development of Education Growth of Indian Press.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

DEVELOPMENT AND ENVIRONMENTAL ECONOMICS

Syllabus

UNIT–I

Development and Economics Growth : Economics Growth and Development – Meaning. Factor's of Development and Growth – Capital, Physical and Human, Research and Development and Technology.

Basic Characteristics of Developing , role and importance of Human Resource Development. Factor's of HRD, Human Development Index, Concept of Stable Population and Transaction towards its.

UNIT–II

Theories and Models of Development and Growth : Classical Theories of Development – Classical, Shumbler, Rostow, Gunnar Mrydel, Hurshman. Growth Models Harrod Domer, Mahalonasis, P. N. Mathur – Transformation form Less to None Official Technology.

UNIT–III

Sectoral Development : Infrastructure as per-condition of Growth power, Transport. Communication and Banking, Governance . Role and Importance of Agriculture in Indian Economy. Factors of Agricultural Development , Green revolution Role and importance of Industrialization Organisational – Large and small and Internal Industries.

UNIT–IV

Important aspect of Economic Development : Import Substitution , and export led qnnth strakeg Balance of trade and balance of payment as barriers to development; Implication of WTO regimes to development countries.

UNIT–V

Environment and Economy : Environmental implication of development renewable and non-renewable resources. Limits to growth and sustainable development. Evalution of environmental damages (Land . Water, Air, and Forest) and its impact on Quality of life and economy.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

QUANTITATIVE TECHNIQUES

Syllabus

UNIT–I

Basic Concept and Linear Algebra : Concept of variable, parameter, constant and function. Equations, Identities and Inequalities. Meaning of solution of an Sets. Vectors and Matrices : - Concepts and their Elementary operation. Matrices for solving Equations.

UNIT–II

Calculus : Differentiation of functions of functions of two and more variables, maxima and Minima of Functins. Difference Equations - linear and Non-linear Homogenous of first and second orders.

UNIT–III

Descriptive statistics : Basic concepts ; Population, Sample, Parameter, Frequency Distribution , Culmulative frequency. Graphical representation of Data. Techniques of Data collection; Sampling vs Popullation, Primary and secondary data.

Measures of Central tendencies ; Mean, Median, mode , Geometric mean and Harmonic Mean.

Measures of Dispersion : Range, Mean, Deviation, Standard Deviation , Coefficient of variation, Quartile Deviation.

UNIT–IV

Correlation and Regression : Karl Pearson's Co-efficient of Correlation, and spearman's Rank Correlation Rank Sign Text, Regression Analysis fitting a Bi-variate regression equation, Interpretation of sloe, Co-efficient of Regression.

UNIT–V

Time Series , Index Numbers and Probabilities : Time series analysis– Concept and components; Additive and multiplicative Algorithm, of Decomposition of Time series. Method of moving Averages. Index Numbers – Concept, Laspeger's Paasche's and Fisher's Index Numbers. Problems in the construction of Index Numbers and their limitations. Probability : Concept, Rules of probability (Addition and Multiplication) ,Conditional Probality, Binominal – Distribution.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

प्रयोजनमूलक हिन्दी

Syllabus

इकाई–1

प्रयोजन मूलक हिन्दी का अभिप्राय।

इकाई–2

पत्राचार : कार्यालयीन पत्र , व्यावसायिक पत्र, व्यावहारिक पत्र,। संक्षेपण, पल्लवन, प्रारूपण, टिप्पणी। पत्रकारिता : पत्रकारिता का स्वरूप और वर्तमान परिदृश्य समाचार – लेखन, शीर्शकीकरण, पृष्ठविन्यास।

इकाई–3

संपादन कला : प्रिंट मीडिया, इलेट्रोनिक मीडिया, फीचर लेखन पृष्ठ सज्जा एवं प्रस्तुतीकरण । मीडिया लेखन : संचार भा ा का स्वरूप और वर्तमान संचार व्यवस्था। प्रमुख जनसंचार माध्यम : प्रेस, रेडियो, टी.वी. फिल्म वीडियों तथा इंटरनेटं।

इकाई–4

माध्यमोपयोगी लेखन – प्रविधि : प्रोक्ति।

इकाई–5

अनुवाद : स्वरूप एवं प्रक्रिया, कार्यावली अनुवारद वैज्ञानिक अनुवाद, तकनीकी अनुवाद, वाणिज्यिक अनुवाद, विधिक अनुवाद, पारिभाशित शब्दावली वैट्ट्रिग, अशु अनुवाद।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

हिन्दी नाटक निबन्ध तथा स्फुट गद्य विधाएँ

Syllabus

इकाई–1

तीनों नाटकों में से कोई एक नाटक अंधेर नगरी (भारतेन्दु हरिश्चन्द्र) अथवा ध्रुव स्वामिनी (जयशंकर प्रसाद) अथवा कोणार्क (जगदीशचन्द्र माथुर)

इकाई–2

निबन्ध के अंतर्गत निम्नालिखित पाँच निबन्धकार –

अ. बालकृष्ण भट्ट ब. आचार्य महावीर प्रसार द्विवेदी स. आचार्य रामचन्द्र शुक्ल द. आचार्य हजारी प्रसाद द्विवेदी इ. हरिशंकर परसाई

इकाई–3

एकांकी के अंतर्गत निम्नलिखित पाँच एकाकीकार –

अ. डॉ. रामकुमार वर्मा ब. उपेन्द्रनाथ अश्क स. लक्ष्मीनारायण लाल द. सेठ गोविन्द्रदास इ. भुवनेश्वर

इकाई–4

स्फुट विधाओं के अंतर्गत रेखाचित्र, संस्मरण, व्यंय।

इकाई–5

स्फुट विधाओं को निबन्ध के साथ रखा जायेगा। द्रुतपाठ के लिए रेखाचित्र, संस्मरण एवं व्यंग्य

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

जनपदीय भाषा साहित्य

Syllabus

बुन्देली भाषा और उसका साहित्य

बुन्देली की विभिन्न उपबोलियाँ

बुन्देली की तुलनात्मक विशेषताएँ

भाषा काव्य आन्दोलन

प्रचीन एवं अर्वाचीन रचनाकारों का अध्ययन

ईसुरी की बाल्यावस्था

महत्वपुर्ण व्याख्याएँ

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year
Twentieth Century Literature
Syllabus

UNIT – I
Annotations

(a) W.B. Yeats – Saliling to Byzantium.

(b) The lake Iste of Innis free.

UNIT –II
Poetry.

(a) T.S. Eliot – When you are old;

(b) Philip Larkin – Toads At grass.

UNIT – III
Prose.

(a) Robert Lynd – Noises.

(b) Hillaire Belloe - On Preserving English.

UNIT – IV
Drama.

(a) Bernard Shaw – Arms and the Man.

UNIT – V
Fiction (Non-Detailed).

(a) William Golding – Lord of the files.

Historical Topics

1- The two World Wars.

2- Imperialism and decolonization.

Literary Topics

1. Freudian Thought, 2. Existentialism, 3. Feminism, 4. Modernism and Post

5. modernism, 6. Stream of consciousness technique, 7. Absurd drama.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year
Indian Writing in English
Syllabus

UNIT – I
Annotations.
(a) Sarojini Naidu –
1- The Ecstasy
2- The Lotus

UNIT – II
Poetry
(a) Rabindranath Tagore – Songs 1 and 103 of Gitanjali
(b) Nissim Ezekiel –
1- Night of the Scorpion
2- The Patriot
(c) O.P. Bhatnager – Beggars can be choosers.

UNIT – III
Prose
(a) Jawaharlal Nehru –
1. The Relationships of Language.
2. Language Writing and numerals.
(b) Nirad C. Chaudhare – My Birthplac.

UNIT – IV
Drama
(a) Girish Karnad – Tuglaq

UNIT – V
Short Story –
(a) R.K. narayan – A Hero. (Non detailed)
(b) Mulkaraj Anand – The lost child (Non detailed)

Fiction
(a) Anita Desai – Bye Bye Blackbird . (Non detailed)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

संस्कृत भाषा नैपुण्य–III

Syllabus

इकाई–1

व्याकरण (लघु सिद्धान्त कौमुद्री से अधोलिखित प्रत्यय)

कृतप्रत्यय (वत्वा, ल्यप, तुमुन, यत्, क्त, क्तवतु, शतृ, शानच, तव्यत, तव्यत, अनीयर)

तद्धित प्रत्यय (अण, ण्य, ढक्, मतुप, इन, त्व, तल, ठक्)

स्त्री प्रत्यय (टाप्, ङीप)

इकाई–2

भाषा विज्ञान –

भाषा का स्वरूप एवं प्रयोग, भाषा एवं उपभाषा, भाषा विज्ञान की शाखाओं का परिचय (ध्वनि, रूप, अर्थ, वाक्य)

इकाई–3

मनुस्मृति – नवनीतम्

व्याख्या

आलोचनात्मक प्रश्न

इकाई–4

भगवद्गीता द्वितीय अध्याय

व्याख्या

आलोचनात्मक प्रश्न

इकाई–5

निबन्ध

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BA (Bachelor of Art)- Final Year

संस्कृत IV

Syllabus

इकाई–1

किरातार्जुनीयम प्रथम सर्ग

(क) दो पद्यों की व्याख्या (10)

(ख) आलोचनात्मक प्रश्न (05)

इकाई–2

उत्तररामचरितम्

(क) मात्र प्रथम से तृतीय अंड्क तक दो पद्यों की व्याख्या (10)

(ख) संपूर्ण नाटक से आलोचनात्मक प्रश्न (05)

इकाई–3

काव्यशास्त्र

(क) अधोलिखित अलंकारो में से दो के लक्षण एवं उदाहरण प्र टव्य है –

उपमा, रूपक, व्यतिरेक, अपहुति, दृष्टांग, विभावना, विशेषोक्ति, समासोक्ति, अर्थान्तरन्यास, उत्पेक्षा यमक, अनुप्रास।

(ख) अधोलिखित छन्दों में किन्ही दो के लक्षण एवं उदाहरण प्र टव्य है ।

अनुष्टुप, उपजाति, वंशस्थ, शिखरिणी, मालिनी, द्रुतविलाम्बित, मन्दाकान्ता शार्हूलविकीडित, इन्द्रवज्रा उपेन्द्रबज्र।

इकाई–4

आधुनिक काव्य

नवस्पन्द : अधोलिखित चार कवियों की रचनाओं का अध्ययन अपेक्षित है।

अप्पाशास्त्री , राशिवडेकर, क्षमाराव, जानकी वल्लभ शास्त्री, श्री श्रीनिवासराशि

(क) पद्यों की व्याख्या

(ख) कवि – परिचय

इकाई–5

संस्कृत साहित्य का इतिहास

महाकाव्य, गीतिकाव्य, गद्यकाव्य, चम्पूकाव्य, कथा साहित्य।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year

Fundamentals of Maharishi Vedic Science

(Maharishi Vedic Science – I & II)

Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought.

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA
DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year
हिन्दी भाषा
Syllabus

इकाई–1
मानक हिन्दी भाषा– मानक का अर्थ, मानक भाषा के विभिन्न नाम, मानक हिन्दी के लक्षण, आवश्यकता आधुनिकीकरण की प्रक्रिया और मानक भाषा पर पड़ने वाले विभिन्न प्रभाव, मानक हिन्दी का स्वरूप, मानकीकृत भाषा के प्रमुख लक्षणों का सार। मानक हिन्दी के प्रकार– हिन्दी के रूप, व्याकाणिक, ढांचा, मानक हिन्दी की शैलियां (1) संस्कृत निष्ठ हिन्दी, (2) उर्दू, (3) हिन्दुस्तानी।

इकाई–2
अशुद्धियां और उनका संशोधन – अशुद्धियों के प्रकार (1) उच्चारण तथा वर्तनीगत अशुद्धियां, (2) शब्दगत अशुद्धियां, (3) शब्दार्थगत अशुद्धियां, (4) वाक्यगत अशुद्धियां।
विभक्ति संबधी अशुद्धियां– (क) कर्तारक, (ख) कर्मकारक, (2) लिंग संबंधी अशुद्धियां, (3) वचन संबंधी अशुद्धियां, (4) विशेषण संबंधी अशुद्धियां, (5) विपरीत शब्दों के प्रयोग संबंधी अशुद्धियां।
हिन्दी का शब्द भंडार– (क) शब्दों को प्रकार, तत्सम, तद्भव, अर्ध तत्सम, देशी, विदेशी, धार्मिक और सांस्कृतिक, शासन संबंधी, शिक्षा संबंधी, काम–धंधे संबंधी, खान–पान संबंधी, पहनावा संबंधी, फल–फूल संबंधी।

इकाई–3
हिन्दी की वाक्य रचना और विराम चिन्ह– (1) वाक्य और प्रकार, वाक्य के लक्षण, वाक्य की उपादेयता, समर्थ और असमर्थ वाक्य।
वाक्य परिवर्तन, विधानवाचक से निषेध वाचक, निश्चय वाचक, प्रश्नवाचक, विस्मयादिक बोधक, वाक्य परिवर्तन विशेषण की तुल्नावस्था में परिवर्तन, शब्दों का परिवर्तन, सरल से मिश्र वाक्य, संयुक्त वाक्य तुलनात्मक अध्ययन, वाक्य बदलना, वाक्य परिवर्तन, वाक्य के भेद, विधिवाचक, निषेध वाचक, आज्ञावाचक, प्रश्नवाचक, विस्मयवाचक, इच्छावाचक, संदेहवाहक, संकेतवाचक।

इकाई–4
उपवाक्यों के भेद– संज्ञा उपवाचक, विशेषक उपवाचक, क्रिया विशेषक, कालवाचक, स्थानावाचक, परिमाण वाचक, रीतिवाचक, कार्यकरण वाचक, हिन्दी में प्रयुक्त विराम चिन्ह–पूर्ण विराम, अल्पविराम। पत्रलेखन, सारलेखन, पल्लवन।
पत्र लेखन– पत्र लेखन के प्रकार, पत्रों के उदाहरण एवं पत्र लेखन की विशेषताएं (1) निजी पत्र, निमंत्रण पत्र, (2) व्यावसायिक पत्र, व्यावसायिक पत्रों के प्रकार, (3) शासकीय एवं अर्द्धशासकीय पत्र, (4) आवेदन पत्र, समस्या प्रधान, आलोचनात्मक शिकायती सुझाव संबंधी स्पष्टीकरण पत्र, (ख) सार लेखन, (ग) पल्लवन।

इकाई–5
भारतीय संस्कृति – भारत देश और उसके निवासी – रामधारी सिंह 'दिनकर' । भारतीय समाज की संरचना, सामाजिक गतिशीलता (प्राचीन से लेकर आधुनिक काल तक), धर्म और दर्शन।
भारतीय संस्कृति का विश्व पर प्रभाव, मध्यप्रदेश का सांस्कृतिक वैभव।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year
English Language
Syllabus

Unit – I

Simple, Compound and Complex Sentences. Coordinate Clause (With, But, Either - Or Neither-Nor, Otherwise or Else).

Unit–II

Subordinate clauses – noun clauses as subject, Object and complement: Relative clauses (restrictive and nonrestrictive clauses) Adverb clauses (open and hypothetical, conditional, with, because, though, here, so that, as long as, as soon as).
Comparative Clause (as + = adjective/adverb + as-no sooner than).

Unit–III

Tenses: Simple present, progressive and present perfect. Simple past, progressive and past perfect. Indication of Futurity. The passive (Simple present and past, present and past perfect and to infinitive structure).

Unit–IV

Reported Speech: (i) Declarative sentences, (ii) Imperatives (iii) Interrogatives , Exclamatory sentences. Models (will, shall, should, would, ought to, have to/have got to, can, could, may-might and need).

Unit–V

Verb Structures (Infinitives and gerundial), Linking devices. Letter (both formal and informal).

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year

उद्यमिता विकास (Development of Entrepreneurship)

Syllabus

इकाई–1

उद्यमिता – परिभाषा, विशेषताएँ एंव महत्व, एक उद्यमी के प्रकार एवं कार्य, एक अच्छे उद्यमी के गुण, उद्यमिता अभिप्रेरणा घटक।

इकाई–2

लक्ष्य प्राप्ति की प्रेरणा एवं विचारों की स्थापना, लक्ष्य निर्धारण एवं चुनौती का सामना, समस्या समाधान एवं सृजनात्मकता, क्रमबद्ध योजना एवं क्षमता की दिशाबद्धता, आत्मविश्वास का विकास, सम्प्रेषण कला, प्रभावित करने की क्षमता, नेतृत्व।

इकाई–3

परियोजना प्रतिवेदन। चुनी हुई प्रक्रिया का मूल्यांकन । विस्तृत परियोजना प्रतिवेदन–आवश्यकता एवं प्रासंगिकता परियोजना प्रपत्र के प्रमुख भाग। परियोजना प्रतिवेदन तैयार करना।

संगठन के प्रकार का चयन– एकाकी व्यवसाय, साझेदारी एवं सहकारी समिति का अर्थ एवं विशेषताएँ, संगठन के चयन को प्रभावित करने वाले घटक।

आर्थिक प्रबंधन – वित्तीय संस्थान एवं बैंकों की भूमिका, बैंकिंग, वित्तीय योजना, कार्यकारी पूँजी–मूल्यांकन तथा प्रबन्धन, लागत व मूल्य निर्धारण तथा लाभ का मूल्यांकन, आर्थिक लेखा–जोखा रखना।

इकाई–4

उत्पादन का प्रबन्धन– खरीदने के तरीके, चल सम्पत्ति/माल का प्रबन्धन, गुणवत्ता प्रबन्धन, पैंकिंग, विपणन प्रबन्धन, बिक्री एवं बेचने की कला, बाजार की समझ एवं विपणन नीति, उपभोक्ता प्रबंधन, समय प्रबन्धन, नियामक संस्थाओं की भूमिका–जिला उद्योग केन्द्र, प्रदूषण निवारण मंडल, खाद्य एवं औषधि प्रशासन, विद्युत विभाग तथा नगर निगम का विशेष अध्ययन।

विकासात्मक संस्थाओं की भूमिका, खादी एवं ग्रामीण आयोग/बोर्ड, मध्यप्रदेश वित्त निगम, अनुसूचित बैंक, मध्य प्रदेश का महिला आर्थिक विकास निगम।

इकाई–5

स्वरोजगार मूलक योजनाएँ – प्रधानमंत्री रोजगार योजना, स्वर्ण जयंती शहरी रोजगार योजना, रानी दुर्गावती स्वरोजगार योजना, दीनदयाल स्वरोजगार योजना।

विभिन्न अनुदान योजनाएँ – लागत पूँजी अनुदान, ब्याज अनुदान, प्रवेश कर से छूट, परियोजना प्रतिवेदन, प्रतिपूर्ति अनुदान आदि।

महिला उद्यमियों हेतु विशेष प्रेरणाएँ, संभावनाएँ एवं समस्याएँ।

मध्यप्रदेश आदिवासी वित्त विकास निगम की योजनाएँ, म.प्र. अन्त्यावसायी निगम की योजना, म.प्र. पिछड़ा वर्ग एवं अल्पसंख्यक वित्त विकास निगम की योजनाएँ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year

Financial Accounting

Syllabus

Unit-I

Definition, development and objectives of accounting, basic concepts, principles, postulates and conventions of accounting, rules and their application related to maintenance of journal and ledger, sub division of journal, preparation of trial balance, error and their rectification, final accounts, preparation of manufacturing, trading, profit and loss accounts and balance sheet with adjustments.

Unit-II

Accounting of non-trading institutions, depreciation: concept of depreciation, depreciation accounting, depreciation policy, provisions and reserves, consignment accounts.

Unit-III

Hire purchase and installment purchase system, meaning of hire purchase contract, accounting of installment purchase system Branch Accounting.

Unit-IV

Partnership Accounts: Essential characteristics of partnership, Partnership deed, final accounts, adjustments after closing the accounts, fixed and fluctuating capital, goodwill, joint life policy, change in profit sharing ratio, reconstitution of a partnership firm-admission of a partner

Unit-V

Amalgamation of partnership firms : dissolution of a partnership firm- modes of dissolution of a firm, accounting entries, insolvency of partners, sale of a firm to a company, Accounting Standards (only outlines), Indian and International.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year

Business Mathematics

Syllabus

Unit-I

Ratio- Profit ratio, sacrifice ratio and gain ratio, percentage application of percentage in calculating cost and invoice price, managers commission and brokerage.

Unit-II

Average, profit and loss. Simultaneous Equations

Unit-III

Elementary Matrices & Determinants: definition of a matrices, types of matrices, algebra of matrices, elementary properties of determinants, calculation of values of determinants up to second order.

Unit-IV

Logarithms and linear programming (Basic Concept Only).

Unit-V

Simple & compound interest and annuities - different types of interest rates, concept of present value and amount of sum types of annuities, present value and amount of an annuity.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year

Business Communication

Syllabus

Unit - I

Introduction: Communication- Definition, Nature, Objective and Importance of Communication.

Theories of Communication, Principles of effective Communication

Unit –II

Dimensions of communication and direction of Communication, media / Means of Communication, Verbal and Non -Verbal Communication, Effective Listening and Importance of Feed Back.

Unit – III

Non verbal communication – Body Language, Kinesics ,Para Language, Sign Language, Visual and Audio Elements, Channel of Communication, Formal, Informal and Grapevine.

Barriers of Communications, Oral Business Communication – Speeches, Interviews, Group Discussions and Conferences.

Unit - IV

Written business communication: Concept, Importance, Advantages and Disadvantages. Need of Business Letters, kinds of Business Letter, Essentials of an Effective Business Letter, Writing Skills and Structure of Business Letter.

Writing of Business Letters – Letters of Enquires and their replies, Letter of Credit and Reference Letters , Dunning Letters, Sales Letters and Circular Letters.

Unit - V

Drafting of Official Letters, D.O. Letters, Applications for Jobs, Report writing, Chairman's Speech.

Modern forms of Communication, Fax, E-Mail, SMS and Video Conferencing.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year

Business Regulatory Framework

Syllabus

Unit-1

Law of Contract (1872) : Nature of contract, Classification, Offer and acceptance, Capacity of parties to contract, Free consent, Consideration, Legality of object, agreement declared void, performance of contract, discharge of contract, remedies for breach of contract.

Unit-2

Special contract: Indemnity, Guarantee, bailment, and pledge, agency.

Unit-3

Sale of goods act 1930 : Formation of contract of sale, Goods and their classification, Price, Conditions, and Warranties, Transfer of properties, Transfer of property in goods, Performance of the contract of the sale, Unpaid seller and his rights, Sale by auction, Hire purchase agreement.

Unit-4

Negotiable instrument act 1881 : Definition of Negotiable instrument, features, Promissory notes, Bill of exchange and cheque. Types of crossing, Dishonor and discharge of negotiable instruments.

Unit-5

The Consumer protection act 1986 : Salient features, definition of consumer, Grievance redressal machinery. FEMA (Foreign exchange management act 2000): Definition and main provisions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year

Business Economics

Syllabus

Unit-1

Definition of Economics, Concept of Micro and Macro Economic, Methods of study (deductive and inductive) Economics laws and their nature significance in Economics. Basic problem of an Economy.

Unit-2

Elasticity of demand concept and measurement of Elasticity of demand. Price, Income and cross Elasticity. Average Revenue, Marginal Revenue, and Elasticity of Demand, Determination of Elasticity of Demand, Importance of Elasticity of Demand.

Unit-3

Factors of Production; Land, Labour, Theories of Population, Division of labour, Efficiency of labour, Capital Organisation and scale of production-large and small.

Production Function: Law of variable proportions, Economic regions and optimum factors. Combination Expansion Path, Return to scales, Internal and external economies and diseconomies.

Unit-4

Markets and their classification. Cost of Production, Prime cost and supplementary cost, Concept of opportunity cost. Analysis of revenue. Price determination in short. and long, period under the conditions of perfect competition, monopoly and imperfect competition. Control of Monopoly.

Unit-5

Interests: Concept and Theories of interest, Profit : Nature, Concept and theories of profit, Rent: concept, Recardian and Modern Theories of rent ,Quasi rent and Theories of Wages.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-First Year

Business Environment

Syllabus

Unit-I

Indian business Environment : Concept, Component, Economic Environment, Non Economic Environment (Social cultural, political and legal environment).

Unit-II

Economic Trends (Overview) : Income, Saving, and Investment, Structure of Indian Industry-Public and Private sector, Trade (Foreign)-Balance of Payment, Balance of Trade, Recent Policies-Money, Finance, Prices.

Unit-III

Problems of growth : Unemployment, Poverty, Regional Imbalances, Social Injustice, Inflation, Parallel Economy, Industrial Sickness, Current five year plan: Major policies and Resource allocation.

Unit-IV

Role of govt. : Monetary and Fiscal policies, Industrial licensing, Privatisation, Liberalisation, Globalisation, Export Import policy, Regulation of Foreign Investment, Collaborations in the light of recent changes.

Unit-V

International Trading Environment, Trends of World Trade and Problems of developing Countries, International Economic Grouping, GATT, WTO, World Bank, IMF, UNCIAD.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year

Advanced Concept of Maharishi Vedic Science

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year

हिन्दी भाषा–2

Syllabus

इकाई–1

(क) हिन्दी की व्याकरणिक कोटियाँ : रचनागत और प्रयोगगत उदाहरण संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण आदि तथा समास, सन्धि एवं संक्षिप्तियों रचना और प्रयोगगत विवेचन।

(ख) पाठ : मुक्त गगन है : माखनलाल चतुर्वेदी। शिकागो व्याख्यान : स्वामी विवेकानन्द और वर्ण विन्यास : विश्वनाथ प्रसाद मिश्र।

इकाई–2

(क) विविध विषयों पर संक्षिप्त निबंध लेखन।

(ख) पाठ : क्या लिखूँ : पदुमलाल पुन्नालाल बख्शी। भय से मुक्ति : जे कृष्णमूर्ति। शिरीष के फूल : हजारी प्रसाद द्विवेदी। माण्डव : रामनारायण उपाध्याय, पर्यावरण और राष्ट्रीय सेवा योजना, नर–नारी समानता।

इकाई–3

(क) हिन्दी में प्रयुक्त पारिभाषिक एवं तकनीकी शब्दावली तथा मुहावरे और लोकोक्तियाँ।

(ख) औद्योगिक क्रांति : डॉ. श्यामाचरण दुबे। छोटा जादूगर : जयंशकर प्रसाद।

इकाई–4

विज्ञान और साहित्य : जैनेन्द्र कुमार, विज्ञान परिभाषा, शाखाएँ और संक्षिप्त इतिहास, प्रमुख वैज्ञानिक आविष्कार, हमारा ब्रह्माण्ड और जीवन हमारा सौर मण्डल। जीवन : उद्‌भव और विकास, भारत की वनस्पतियाँ और जीव।

इकाई–5

भोजन और स्वास्थ्य।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year
English Language-II
Syllabus

UNIT– I
Reading Comprehensions of an unseen Passage.

UNIT–II
Vocabulary.

UNIT–III
Report – Writing.

UNIT–IV
Expansion of ideas.

UNIT–V
Grammar.
Questions shall be asked from the prescribed text which will comprise specimens of popular creative/writing and following items.
(A) Matter & Technology

- State of Matter and its structure.
- Technology (Electronics, Communication, Space Science)

(B) Our Scientists & Institutions :

- Life & work of our Eminent Scientists : Arya Bhatt, aurd, Charak, Shohruta, Nagarjun, J.C. Bose, C.V. Raman, S. Ramanujan, Homi J. Bhabha, Birbal Sahani.
- Indian Scientific Institutions (Ancient & Modern)
- Gender Issues.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year
Environmental Studies
Syllabus

UNIT – I

The Multidisciplinary nature of environmental studies Definition, scope and importance. Need for public awareness. Natural Resources: Renewable and non-renewable resources.

Natural resources and associated problems:

(g) Forest resource : Use and over-exploitation, deforestation, case studies, Timber extraction. Mining, drams and their effects on forests and tribal people.

(h) Water resources : Use and over-Utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

(i) Mineral resources : Use and exploitation , environmental effects of extracting and using mineral resources, cases studies.

(j) Food resources World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problem, water logging, salinity, case studies.

(k) Energy resources : Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources Case studies.

(l) Land resources : Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

- Role of an individual in conservation of natural resources.
- Equitable use of resources for sustainable lifestyles.

UNIT–II

Ecosystems : Concept of an ecosystem , Structure and function of an ecosystem. Producers, consumers and decomposers. Energy flow in the ecosystem. Ecological succession. Food chains, food webs and ecological pyramids.

Introduction, types, characteristic features, structure and function of ecosystem : (a) Forest ecosystem (b) Grassland Ecosystem. (c) Desert ecosystem . (d) Aquatic ecosystems (Ponds, streams, lakes, rivers, oceans, estuaries,

UNIT–III

Biodiversity and its conservation : Introduction – Definition : genetic, species and ecosystem diversity. Biogeographically classification of India. Value of biodiversity consumptive use, Productive use, Social, ethical, aesthetic and option values. Biodiversity at global, National and local levels. India as a mega diversity nation. Hot-spots of biodiversity. Treats to biodiversity : habitat loss, poaching of wildlife, man wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.

UNIT–IV

Environmental Pollution: Definition : Causes, effects and control measures of : Air Pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal polluting, Nuclear hazards.

Solid waste Management: Causes effects and control measure of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster management floods, earthquake, cyclone and landslides.

UNIT–V

Social Issues and the Environment : From Unsustainable to Sustainable development. Urban problem related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people, its problems and concerns Case studies. Environmental ethics : Issues and possible solutions. Climate change, global warming acid rain, ozone layer depletion nuclear accidents and holocaust. Case studies. Wasteland reclamation. Consumerism and waste products. Environments Protection Act. Air (Prevention and control of Pollution) Act. Water (Prevention and control of Pollution) Act. Wildlife Protection Act . Forest conservation Act. Issues involved in Enforcement of environmental legislation. Public awareness.

Human Population and the Environment: Population growth, Variation among nations. Population explosion – Family Welfare Program. Environment and human health. Human Rights. Value Education. HIV / AIDS. Women and Child Welfare. Role of Information Technology in Environment and human health. Case Studies.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year

Corporate Accounting

Syllabus

UNIT-I

Issue forfeiture and reissue of shares, redemptions of preference shares, issue and redemption of debentures.

UNIT-II

Final Accounts (Excluding computation of managerial remuneration) and disposal of profit, valuation of goodwill and shares.

UNIT-III

Accounting for amalgamation of companies as per Indian accounting standard 14, Accounting for internal reconstruction-excluding inter, company holdings and reconstruction schemes.

UNIT-IV

Consolidated balance sheet of holding companies with one subsidiary only.

UNIT-V

Statements of changes in financial position on cash basis and working capital basis, familiarity with Indian accounting standard.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year
Cost Accounting
Syllabus

UNIT-I

Introduction, nature and scope of cost accounting, cost concept and classification, methods and techniques, Installation of costing system, concept of cost audit.

UNIT-II

Accounting for material, material control, concept and techniques, pricing of material issues, treatment of material losses, accounting for labour, labour cost control, procedure, labour turnover, idle itme and overtime, wage payment, time and price rates, incentives schemes.

UNIT-III

Accounting for overheads, classification, departmentalisation, absorption of overheads, departmentalisation of overhead rates under and over absorption and its treatment.

UNIT-IV

Cost ascertainment, unit costing, job, batch and contract costing and operating costing.

UNIT-V

Process costing-excluding inter process profits and joint and by products. Cost records, integral and non integral system, reconciliation of cost and financial accounts.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year

Principles of Business Management & Entrepreneurship

Syllabus

UNIT–I

Introduction : Concept, nature, process and significance of management; An overview of functional areas of management; Development of management thought; Classical and neo-classical systems.

UNIT–II

Planning : Concept, process and types. Decision making – concept and process; Management by objectives; Corporate Planning. Organizing : Concept, nature, process, and significance; Authority and responsibility relationships; Centralization and Decentralization.

UNIT–III

Motivating and Leading People at Work : Motivation – concept; Theories – Maslow, Herzberg, McGregor, and Ouchi; Financial and non-financial in - centives. Leadership : Concept and leadership styles; Leadership theories; Likert's System Management.

UNIT–IV

Introduction : The entrepreneur; Definition; Emergence of entrepreneurial class; theories of entrepreneurship; Role of socio-economic environment; Characteristics of entrepreneur. Entrepreneurial Development Programmes (EDP): EDP their role, relevance, and achievements; Roleof Government in organizing EDP's, Critical evaluation.

UNIT–V

Role of Entrepreneur : Role of entrepreneur in economic growth as an innovator, generation of employment opportunities, complementing and supplementing economics growth, bringing about social stability and balanced regional development of industries; Role in export promotion and import substitution.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year
Business Statistics
Syllabus

UNIT–I

Introduction : Statistics as a subject; Descriptive Statistics – compared to Inferential Statistics Types of Data. Analysis of Univariate Data: Construction of a frequency distribution, Concept of central tendency and dispersion and their measures; Partition values; moments; skewness and measures; Kurtosis and measures.

UNIT–II

Analysis of Bivariate Data: Linear regression and correlation. Index Number : Meaning, types and uses; Methods of constructing price and quantity indices (Simple and aggregate); Tests of adequacy; Chain-base index numbers; Base shifting, splicing, and deflating; Problems in constructing index numbers; Consumer price index.

UNIT–III

Analysis of Time Series: Causes of variations in time series data; Components of a time series; Decomposition - Additive and multiplicative models; Determination of trend-Moving averages method and method of least squares (including linear, second degree, parabolic, and exponential trend); Computation of seasonal indices, by simple averages, ratio-to-trend, ratio-to-moving average, and link relative methods.

UNIT–IV

Forecasting Methods : Forecasting – concept, types and importance; General approach to forecasting; Methods of forecasting; Forecasting demand; Industry Vs Company sales forecasts; Factors affecting company sales.

UNIT–V

Theory of Probability : Probability as a concept; the three approaches to defining probability; Addition ad multiplication laws of probability; Conditional probability ; Bayes' Theorem; Expectation and variance of a random variable . Probability Distributions: Probability distribution as a concept Binomial, Poisson, and Normal distributions – their properties and parameters.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year

Money And Financial System

Syllabus

UNIT-I

Money: Functions: Alternative measures to money supply in India their different component; meaning and changing relative importance of each; High powered money meaning and uses; Sources of changes in high powered money. Finance: Role of finance in an economy; Kinds of finance; Financial System; Components; Financial intermediaries; Market and instruments and their function.

UNIT-II

Indian Banking Sysytem; Definition of Bank; Commercial banks; Importance and function; Structure of commerial banking system in India; Balance sheet of a Bank; Meaning and importance of main Liabilities and assets; Regional Rural banks; Co-operative banking in India.

UNIT-III

Process of credit creation by banks, credit creation process, determination of money supply and total bank credit, development banks and other non banking financial institutions, their main features, unregulated credit marketts in India main features.

UNIT-IV

The Reserve Bank of India, functions, instruments of monetory and credit control main features of monetary policy since independence. Interest rates, various rates in India (viz, Bond rate, Bill rate, deposit rate etc.) Administered rates and market determined rates, sources of difference in rates of interest, behaviour of average level of interest rates since 1951-Impact of inflection and inflection and inflatonary expectation.

UNIT-V

Problems and policies of allocation of institutional credit, Problems between the government and commercial sector Intersectoraland international problems Problem between large and small borrowers, operation of conflicting pressure before and after bank nationalisation in 1969.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Second Year
Compnay Law
Syllabus

UNIT-I
Corporate personality, Kinds of companies, Promotion and incorporation of companies.

UNIT-II
Memorandum of association, articles of association, prospecturs.

UNIT-III
Shares, share capital members, share capital transfer and transmission, capital management borrowing powers, Mortagage and charges, debentures.

UNIT-IV
Directors, managing directors, whole time directors, company meeting kinds, quorum, voting resolutions, minutes.

UNIT-V
Majority powers and minority rites, prevention and prevention of oppression, and management, winding of kinds and conducts.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year

संप्रेषण कौशल, हिन्दी भाषा और सामान्य ज्ञान

Syllabus

इकाई–1

(क) भारत माताः सुमित्रानंदन पंत, परशुराम की प्रतीज्ञा : रामधारी सिंह दिनकर, बहुत बड़ा सवालः मोहन राकेश, संस्कृति और राष्ट्रीय एकीकरणः योगेश अटल ।

(ख) कथन की शैलियाँ : रचनागत उदाहरण और प्रयोग।

इकाई–2

¼क) विकासशील देशों की समस्यायें, विकासात्मक पुनर्विचार, और प्रौद्योगिकी एवं नगरीकरण ।

(ख) विभिन्न संरचनाएँ।

इकाई–3

(क) आधुनिक तकनीकी सभ्यता, पर्यावरण प्रदूषण तथा धारणीय विकास।

(ख) कार्यालीन पत्र और आलेख।

इकाई–4

(क) जनसंख्याः भारत के संदर्भ में और गरीबी तथा बेरोजगारी।

(ख) अनुवाद।

इकाई–5

(क) ऊर्जा और शक्तिमानता का अर्थशास्त्र।

(ख) घटनाओं, समारोहों आदि का प्रतिवेदन और विभिन्न प्रकार के निमंत्रण–पत्र।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year

English Language and General Awareness

Syllabus

UNIT – I

Writing skills for compositing-essay writing

UNIT – II

Precise Writing.

UNIT – III

Reading Comprehension of an unseen passages

UNIT – IV

Vocabulary based on text

UNIT – V

Grammar : Advanced Exercises .

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year
Computer
Syllabus

UNIT – I

INTRODUCTION TO COMPUTER ORGANIZATION: History of development of computers , computer system concepts. Characteristics, Capability and Limitations. Generation of computers, types of PC's Desktop, Laptop, Notebook, Palmtop, workstation & their Characteristics. Basic components of a computer system, Control Unit, ALU, Input/ Output function and Characteristics, memory RAM, ROM, EPROM, PROM.

UNIT–II

INPUT, OUTPUT AND STORAGE, DEVICES : Input Devices : Keyboard, Mouse, Trackball, Joystick, Digitizing tablet, Scanners. Digital Camera, MICR, OCR. OMR. Bar-code Reader, Voice Recognition, Light pen, Touch Screen. Output Devices : Monitors Characteristics and types of monitor, video standard VGA, SVGA, XGA, LCD screen etc. Printer, Daisy wheel, Dot Matrix, Inkjet, laser, Line Printer, Plotter, Sound Card and speakers : Storage Devices : Storage fundamentals primary Vs Secondary, Various Storage Devices Magnetic Tape, Catridge Tape. Data Drives, Hard Disk Drives. Floppy Disks. CD, VCD, CD- R. CD-RW, Zip Drive. DVD. DVD-RW.

UNIT–III

INTRODUCTION TO OPERATING SYSTEM AND WORD : Introduction to operating systems. Its functioning and types. Basic commands of DOS & Windows Operating System. Disk Operating System (DOS): Introduction History and versions of DOS. DOS Basics : Physical structure of disk, drive name, FAT, file & director structure and naming rules. Booting process DOS system files. OS Commands: Internal DIR. MD, CD, RD. Copy DEL, REN, VOL,. DATE. TIME, CLS PATH, TYPES. External CHKDSK, SCOPY, PRINT, DISKCOPY, DISKCOMP. DOSKEY, TREE, MO. LABET, APPEND FORMAT, SORT, FDISK, BACKUP, EDIT, MODE, ATTRIB, HELP SYS etc. Executable V/s Non executable files in DOS. Word Processing : Word : Introduction to Word Processing. MS Word features, Creating, Saving and Opening Window Editing Text Selecting. Inserting, deleting, moving text. Previewing documents. Printing documents, Print a document from the standard toolbar, Print a document from the menu, shrinking a document to file page, Reduce the number of pages by one. Formatting Documents : Paragraph, formats, Aligning Text and Paragraph, Borders and shading, Header and Footer Multiple Columns.

UNIT–IV

INTRODUCTION TO EXCEL AND POWER POINT: Excel & Worksheet: Worksheet basics: Creating worksheet, entering data into worksheet, leading information, data, text, dates, alphanumeric, Values saving & quitting worksheet. Opening and moving around in an existing worksheet. Toolbars and Menus. Keyboard shortcuts. Working with single and multiple workbook coping, renaming, moving, adding, and deleting coping entries and moving between workbooks. Working with formulas & cell referencing. Autosum. Coping formulas. Absolute & Relative addressing. PowerPoint : Features and various versions. Creating presentation using slide master and template in various colour scheme. Working with different views and menus of PowerPoint : Working with slider make news slide move, copy, delete, duplicate, lay cutting of slide, zoom in or out of a slide. Editing and formatting text: Alignment, editing, inserting, deleting, selecting, formatting of text, find and replace text. Bullets, footer, paragraph formatting, spell checking. Printing presentation Print slides, notes handout Clip Arts pictures and charts. Slides sorter, slide transition effects and other animation effects. Presenting the show making stand alone presentation Pack and go wizards.

UNIT – V

INTRODUCTION TO INTERNET: Evolution protocol, concept, Internet, Intratect, Dia-Up connectivity, leased , VSAT, Broad band, URLs. Domian names, Portals, e-mail, Pop & web based Email. Bastes of sending and receiving Emails, Email & Internet Ethics, Computer virus, Antivirus software wage. Web Browsers.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year

Income Tax

Syllabus

UNIT-I

Basic concepts of Income, Agriculture Income, Assessee, Previous year, Assessment year, Residence and tax liability. Exempted incomes, Income from salaries.

UNIT-II

Income from house property, Profits and gains of business or profession.

UNIT-III

Capital gains, Income from other sources, Set off and carry forward of losses, Clubbing of income.

UNIT-IV

Deductions from gross total income available to all types of assessee, Rebates and relief from tax liability, Assessment of Individuals.

UNIT-V

Computation of tax liability of individuals, procedure for Assessment, Income tax Authorities.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year

Indirect Taxes

Syllabus

UNIT-I

Central excise duty: Concept basic conditions important officials' goods excisable goods manufacturer, classification of goods. Principles of Classification, Volution under Central Excise, an dvalorem duty. Valuations rose, concept of CENVAT, exemption is all industries, administrative setup of Central Excise.

UNIT-II

Custom duty : Nature and types of custom duty, volution rules, under costom duty. Procedure for import and export. Export promotion schemes-- export oriented units, export processing zones, special economic zone.

UNIT-III

Central Sales Tax : Introduction, Important Terms, Definitions under the Central Sales Tax Acts and 1956 Dealers, the Clearer Goods Place of Business, Sales, Sale price, Turnover, Provisions Relating to Interstate Sales, Sailed against from C and D Degeneration of gross Turnover and Taxable Sale

UNIT-IV

MP commercial Tax: Introduction, Tax-free goods, registration, licensing of dealers, computation of taxable turnover and commercial tax.

UNIT-V

MP Commercial Tax: Assessment Procedure, Payment and the Recovery of Tax, Commercial Tax Authorities, Power and Duties, Appeals and revision, Concept of Value Added Tax.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year
Management Accounting
Syllabus

UNIT-I

Management Accounting: meaning, nature, the scope, and functions of management accounting, role of management accounting in decision-making, management accounting versus financial accounting and cost accounting: tools and techniques of management accounting.

UNIT-II

Financial Statements: Meaning, Limitations of financial statements, or citizen matters of financial statements analysts, racial analysis, classification of ratios-profitability ratio, turnover ratio, financial ratio, advantages of racial analysis, limitations of accounting ratio.

UNIT-III

Fund flow statement, cash flow statement as per Indian accounting standard.

UNIT-IV

Absorption and marginal costing: Marginal and differential costing as a tool for a decisionmaking-make or by: change of product mix, pricing, break even analysis, exploring new markets, shut down decisions.

UNIT-V

Budgetary Control: meaning of present and budgetary control, or cities, merits and limitations, price of buzzers, face and flexible budgeting, control ratios, zero-based busting, performs busting. Standard costing and Iran's analysis : meaning of the standard costs and a standard costing, advantages and application, Variance analysis, meaning of the standard costs and a standard costing, advantages and application where yarns analysis-material and labour Variance.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year

Auditing

Syllabus

UNIT-I

Introduction : meaning and all cities of auditing, types of audit, internal audits, audit process, audit programme, audit and books, working papers and evidence, consideration for commencing an audit, routine checking and test checking,.

UNIT-II

Internal check system: Internal audit procedures

UNIT-III

Vouching: Verification of assets and liabilities.

UNIT-IV

Audit of limited companies: Company auditor- appointments, powers, duties, liabilities. Divisible profits and dividend. Auditors report- a standard report and qualified report

UNIT-V

Special audit of: Banking companies. Educational and nonprofit institutions. Insurance companies. Investigations : where fraud is suspected, when running a business is proposed. The recent trends in auditing : Major Significance of Costs Audit, That's Audit Management Audit.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year

Principles of Marketing

Syllabus

UNIT-I

Introduction: Nature Than the Scope of Marketing, Importance of marketing As a Business Function, and in the Economy, Marketing Concept- Traditional and Modern, Setting Vs Marketing, marketing Mix, Marketing Environment.

UNIT-II

The Consumer behaviour and market segmentation: Nature, the scope and significance of consumer behaviour, market segmentation - concept and importance, basis for market segmentation.

UNIT-III

Products: Concept of Product, Consumer and Industrial Goods, Product Planning and Development, Packaging -- Role and Functions, Brand-name and Trademark, after Sales Service, Product Life Cycle Concept.

UNIT-IV

Price ; Importance of price in the marketing mix, sites affecting price of product / service discounts and rebates, distribtuion channels - concept and role, types distribution, channel: retailers and wholesalers, physical distribution of goods, transportation, warehousing.

UNIT-V

Promotion : Methods of Promotion, Options Promotion Mix, Advertising Media – Their relative mexits and Limitations, Characteristics of an effective Advertisement, Personal selling, selling as a career colleges after successful, salesperson, functions of sales man.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com-Final Year
International Marketing
Syllabus

UNIT-I

International Marketing: Nature, desitination and the Scope of international marketing, domestic marketing vs international marketing environment that's external and internal. Identifying and selecting foreign-market, foreign- market in entry mode decisions.

UNIT-II

Product Planning for International Market: For Designing, the Standardisation Vs Adoption, Barnding and Packaging, Labeling and Quality Issues, after Sales Service.

UNIT-III

International Pricing: Factors Affecting International Price, Pricing Process-Process and Methods International Price Quotation and Payment Terms, Promotion of Product/ Service, Abroad : Methods of International Promotion, Direct Mail and Sales Literature.

UNIT-IV

Advertising: Personal selling, trade fears and exhibitions, International distribution : distribution channels and logistics decisions, selection and appointment of foreign sales agents.

UNIT-V

Export Policy and Practices in India: EXIM Policy That's an Overviews, Trends in India is Foreign Trade, the steps in starting an Export Business, Product Selection, Market Selection, Export Pricing, Export Finance : Documentation, Export Procedures, Export Assistance, Incentives.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year
Fundamentals of Maharishi Vedic Science
(Maharishi Vedic Science – I & II)
Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought.

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.
The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA
DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year
हिन्दी भाषा
Syllabus

इकाई–1
मानक हिन्दी भाषा– मानक का अर्थ, मानक भाषा के विभिन्न नाम, मानक हिन्दी के लक्षण, आवश्यकता आधुनिकीकरण की प्रक्रिया और मानक भाषा पर पड़ने वाले विभिन्न प्रभाव, मानक हिन्दी का स्वरूप, मानकीकृत भाषा के प्रमुख लक्षणों का सार। मानक हिन्दी के प्रकार– हिन्दी के रूप, व्याकाणिक, ढांचा, मानक हिन्दी की शैलियां (1) संस्कृत निष्ठ हिन्दी, (2) उर्दू, (3) हिन्दुस्तानी।

इकाई–2
अशुद्धियां और उनका संशोधन – अशुद्धियों के प्रकार (1) उच्चारण तथा वर्तनीगत अशुद्धियां, (2) शब्दगत अशुद्धियां, (3) शब्दार्थगत अशुद्धियां, (4) वाक्यगत अशुद्धियां।
विभक्ति संबधी अशुद्धियां– (क) कर्तारक, (ख) कर्मकारक, (2) लिंग संबंधी अशुद्धियां, (3) वचन संबंधी अशुद्धियां, (4) विशेषण संबंधी अशुद्धियां, (5) विपरीत शब्दों के प्रयोग संबंधी अशुद्धियां।
हिन्दी का शब्द भंडार– (क) शब्दों को प्रकार, तत्सम, तद्भव, अर्ध तत्सम, देशी, विदेशी, धार्मिक और सांस्कृतिक, शासन संबंधी, शिक्षा संबंधी, काम–धंधे संबंधी, खान–पान संबंधी, पहनावा संबंधी, फल–फूल संबंधी।

इकाई–3
हिन्दी की वाक्य रचना और विराम चिन्ह– (1) वाक्य और प्रकार, वाक्य के लक्षण, वाक्य की उपादेयता, समर्थ और असमर्थ वाक्य।
वाक्य परिवर्तन, विधानवाचक से निषेध वाचक, निश्चय वाचक, प्रश्नवाचक, विस्मयादिक बोधक, वाक्य परिवर्तन विशेषण की तुल्नावस्था में परिवर्तन, शब्दों का परिवर्तन, सरल से मिश्र वाक्य, संयुक्त वाक्य तुलनात्मक अध्ययन, वाक्य बदलना, वाक्य परिवर्तन, वाक्य के भेद, विधिवाचक, निषेध वाचक, आज्ञावाचक, प्रश्नवाचक, विस्मयवाचक, इच्छावाचक, संदेहवाहक, संकेतवाचक।

इकाई–4
उपवाक्यों के भेद– संज्ञा उपवाचक, विशेषक उपवाचक, क्रिया विशेषक, कालवाचक, स्थानावाचक, परिमाण वाचक, रीतिवाचक, कार्यकरण वाचक, हिन्दी में प्रयुक्त विराम चिन्ह–पूर्ण विराम, अल्पविराम। पत्रलेखन, सारलेखन, पल्लवन।
पत्र लेखन– पत्र लेखन के प्रकार, पत्रों के उदाहरण एवं पत्र लेखन की विशेषताएं (1) निजी पत्र, निमंत्रण पत्र, (2) व्यावसायिक पत्र, व्यावसायिक पत्रों के प्रकार, (3) शासकीय एवं अर्द्धशासकीय पत्र, (4) आवेदन पत्र, समस्या प्रधान, आलोचनात्मक शिकायती सुझाव संबंधी स्पष्टीकरण पत्र, (ख) सार लेखन, (ग) पल्लवन।

इकाई–5
भारतीय संस्कृति – भारत देश और उसके निवासी – रामधारी सिंह 'दिनकर' । भारतीय समाज की संरचना, सामाजिक गतिशीलता (प्राचीन से लेकर आधुनिक काल तक), धर्म और दर्शन।
भारतीय संस्कृति का विश्व पर प्रभाव, मध्यप्रदेश का सांस्कृतिक वैभव।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year

English Language

Syllabus

Unit – I

Simple, Compound and Complex Sentences. Coordinate Clause (With, But, Either - Or Neither-Nor, Otherwise or Else).

Unit–II

Subordinate clauses – noun clauses as subject, Object and complement: Relative clauses (restrictive and nonrestrictive clauses) Adverb clauses (open and hypothetical, conditional, with, because, though, here, so that, as long as, as soon as).
Comparative Clause (as + = adjective/adverb + as-no sooner than).

Unit–III

Tenses: Simple present, progressive and present perfect. Simple past, progressive and past perfect. Indication of Futurity. The passive (Simple present and past, present and past perfect and to infinitive structure).

Unit–IV

Reported Speech: (i) Declarative sentences, (ii) Imperatives (iii) Interrogatives , Exclamatory sentences. Models (will, shall, should, would, ought to, have to/have got to, can, could, may-might and need).

Unit–V

Verb Structures (Infinitives and gerundial), Linking devices. Letter (both formal and informal).

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year

उद्यमिता विकास (Development of Entrepreneurship)

Syllabus

इकाई–1

उद्यमिता – परिभाषा, विशेषताएँ एंव महत्व, एक उद्यमी के प्रकार एवं कार्य, एक अच्छे उद्यमी के गुण, उद्यमिता अभिप्रेरणा घटक।

इकाई–2

लक्ष्य प्राप्ति की प्रेरणा एवं विचारों की स्थापना, लक्ष्य निर्धारण एवं चुनौती का सामना, समस्या समाधान एवं सृजनात्मकता, क्रमबद्ध योजना एवं क्षमता की दिशाबद्धता, आत्मविश्वास का विकास, सम्प्रेषण कला, प्रभावित करने की क्षमता, नेतृत्व।

इकाई–3

परियोजना प्रतिवेदन। चुनी हुई प्रक्रिया का मूल्यांकन । विस्तृत परियोजना प्रतिवेदन–आवश्यकता एवं प्रासंगिकता परियोजना प्रपत्र के प्रमुख भाग। परियोजना प्रतिवेदन तैयार करना।

संगठन के प्रकार का चयन– एकाकी व्यवसाय, साझेदारी एवं सहकारी समिति का अर्थ एवं विशेषताएँ, संगठन के चयन को प्रभावित करने वाले घटक।

आर्थिक प्रबंधन – वित्तीय संस्थान एवं बैंकों की भूमिका, बैंकिंग, वित्तीय योजना, कार्यकारी पूँजी–मूल्यांकन तथा प्रबन्धन, लागत व मूल्य निर्धारण तथा लाभ का मूल्यांकन, आर्थिक लेखा–जोखा रखना।

इकाई–4

उत्पादन का प्रबन्धन– खरीदने के तरीके, चल सम्पत्ति/माल का प्रबन्धन, गुणवत्ता प्रबन्धन, पैंकिंग, विपणन प्रबन्धन, बिक्री एवं बेचने की कला, बाजार की समझ एवं विपणन नीति, उपभोक्ता प्रबंधन, समय प्रबन्धन, नियामक संस्थाओं की भूमिका–जिला उद्योग केन्द्र, प्रदूषण निवारण मंडल, खाद्य एवं औषधि प्रशासन, विद्युत विभाग तथा नगर निगम का विशेष अध्ययन।

विकासात्मक संस्थाओं की भूमिका, खादी एवं ग्रामीण आयोग/बोर्ड, मध्यप्रदेश वित्त निगम, अनुसूचित बैंक, मध्य प्रदेश का महिला आर्थिक विकास निगम।

इकाई–5

स्वरोजगार मूलक योजनाएँ – प्रधानमंत्री रोजगार योजना, स्वर्ण जयंती शहरी रोजगार योजना, रानी दुर्गावती स्वरोजगार योजना, दीनदयाल स्वरोजगार योजना।

विभिन्न अनुदान योजनाएँ – लागत पूँजी अनुदान, ब्याज अनुदान, प्रवेश कर से छूट, परियोजना प्रतिवेदन, प्रतिपूर्ति अनुदान आदि।

महिला उद्यमियों हेतु विशेष प्रेरणाएँ, संभावनाएँ एवं समस्याएँ।

मध्यप्रदेश आदिवासी वित्त विकास निगम की योजनाएँ, म.प्र. अन्त्यावसायी निगम की योजना, म.प्र. पिछड़ा वर्ग एवं अल्पसंख्यक वित्त विकास निगम की योजनाएँ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year

Financial Accounting

Syllabus

Unit-I

Definition, development and objectives of accounting, basic concepts, principles, postulates and conventions of accounting, rules and their application related to maintenance of journal and ledger, sub division of journal, preparation of trial balance, error and their rectification, final accounts, preparation of manufacturing, trading, profit and loss accounts and balance sheet with adjustments.

Unit-II

Accounting of non-trading institutions, depreciation: concept of depreciation, depreciation accounting, depreciation policy, provisions and reserves, consignment accounts.

Unit-III

Hire purchase and installment purchase system, meaning of hire purchase contract, accounting of installment purchase system Branch Accounting.

Unit-IV

Partnership Accounts: Essential characteristics of partnership, Partnership deed, final accounts, adjustments after closing the accounts, fixed and fluctuating capital, goodwill, joint life policy, change in profit sharing ratio, reconstitution of a partnership firm-admission of a partner

Unit-V

Amalgamation of partnership firms : dissolution of a partnership firm- modes of dissolution of a firm, accounting entries, insolvency of partners, sale of a firm to a company, Accounting Standards (only outlines), Indian and International.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year

Business Mathematics

Syllabus

Unit-I

Ratio- Profit ratio, sacrifice ratio and gain ratio, percentage application of percentage in calculating cost and invoice price, managers commission and brokerage.

Unit-II

Average, profit and loss. Simultaneous Equations

Unit-III

Elementary Matrices & Determinants: definition of a matrices, types of matrices, algebra of matrices, elementary properties of determinants, calculation of values of determinants up to second order.

Unit-IV

Logarithms and linear programming (Basic Concept Only).

Unit-V

Simple & compound interest and annuities - different types of interest rates, concept of present value and amount of sum types of annuities, present value and amount of an annuity.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year

Business Communication

Syllabus

Unit - I

Introduction: Communication- Definition, Nature, Objective and Importance of Communication.

Theories of Communication, Principles of effective Communication

Unit –II

Dimensions of communication and direction of Communication, media / Means of Communication, Verbal and Non -Verbal Communication, Effective Listening and Importance of Feed Back.

Unit – III

Non verbal communication – Body Language, Kinesics ,Para Language, Sign Language, Visual and Audio Elements, Channel of Communication, Formal, Informal and Grapevine.

Barriers of Communications, Oral Business Communication – Speeches, Interviews, Group Discussions and Conferences.

Unit - IV

Written business communication: Concept, Importance, Advantages and Disadvantages. Need of Business Letters, kinds of Business Letter, Essentials of an Effective Business Letter, Writing Skills and Structure of Business Letter.

Writing of Business Letters – Letters of Enquires and their replies, Letter of Credit and Reference Letters , Dunning Letters, Sales Letters and Circular Letters.

Unit - V

Drafting of Official Letters, D.O. Letters, Applications for Jobs, Report writing, Chairman's Speech.

Modern forms of Communication, Fax, E-Mail, SMS and Video Conferencing.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year
Business Regulatory Framework
Syllabus

Unit-1

Law of Contract (1872) : Nature of contract, Classification, Offer and acceptance, Capacity of parties to contract, Free consent, Consideration, Legality of object, agreement declared void, performance of contract, discharge of contract, remedies for breach of contract.

Unit-2

Special contract: Indemnity, Guarantee, bailment, and pledge, agency.

Unit-3

Sale of goods act 1930 : Formation of contract of sale, Goods and their classification, Price, Conditions, and Warranties, Transfer of properties, Transfer of property in goods, Performance of the contract of the sale, Unpaid seller and his rights, Sale by auction, Hire purchase agreement.

Unit-4

Negotiable instrument act 1881 : Definition of Negotiable instrument, features, Promissory notes, Bill of exchange and cheque. Types of crossing, Dishonor and discharge of negotiable instruments.

Unit-5

The Consumer protection act 1986 : Salient features, definition of consumer, Grievance redressal machinery. FEMA (Foreign exchange management act 2000): Definition and main provisions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year
Fundamental of Computer and Inforamation Technology
Syllabus

UNIT-I

Introduction to computer and information technology: History of development of computers, computer system concept, characteristics, capabilities and limitation, types of computer–analog, digital, hybrid, general, special purpose, micro, mainframe, super, generation of computer, personal computer (PCs) –IBM PCs, characteristics, PC/PCXT/PCAT-configurations, Pentium and Newer PCs specification and main characteristics, types of PCs-Desktop, Laptop, Notebook, Palmtop, Workstation etc, their characteristics.

Computer Organizations and Working: Basic component of a computer system – control unit, ALU, INPUT /Output function and characteristics, memory –RAM, ROM, EPROM, PROM and other types of memory.

UNIT-II

Input Devices: Keyboard, Mouse, Trackball, Joysticks, Digitizing tablet, Scanner, Digital Camera, MICR, OCR, OMR, BAR-CODE Reader, Voice Recognition, Light Pen, and Touch Screen.

Output Devices: Monitor –characteristics and types of monitor –digital, analog size, resolution, refresh rate, Interlaced /Non Interlaced, Dot Pitch, Video Standard – VGA,SVGA,XGA etc, Printer –Daisy wheel, Dot Matrix, Inkjet, Laser, line printer, plotter, sound card and speakers.

Storage Devices: Storage Fundamental –Primary VS Secondary , Data Storage and Retrieval method –Sequential , Direct and Index Sequential , Various Storage Devices – Magnetic Tape ,Magnetic disks , Cartridge Tape , data drives, hard disk drives, floppy (Winchester disks), Disks , Optical Disks , CD,VCD,CD-R,CD-RW, ZIP Drive.

UNIT-III

Computer Software: Need, types of software –system software, application software, system software-operating system, utility program, programming Language, assemblers, compiler and interpreter.

Operating System: Function, types –batch, single, Multiprogramming, Multiprocessing.

Programming languages- Machine, Assembly High Level, 4GL, their merit and demerits.

Application Software: Word –processing, spreadsheet, presentation graphics, data base management software, characteristics, user and example and area of application of each of them.

Number System: Data representation in computer, number system of computer – Binary, Octal, Hexa-Representation & their conversion, coding system –ASCII, BCD, EBCDIC etc.

UNIT-IV

Data Communication and Networks: communication channels –twister , coaxial, fiber, optic. Types of Networks –LAN,WAN,MAN etc, Topologies of LAN –Ring, BUS, STAR, MESH and TREE topologies, components of LAN-media, NIC,NOS, Bridges, HUB, Routers Repeater and Gateway.

UNIT-V

Computer virus: Virus working principles, types of viruses, virus detection and prevention, viruses on networks. Use of communication and IT in daily life.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-First Year
Programming Methodology and C Programming
Syllabus

UNIT-I

An overview: Problem identification, analysis, design, coding, testing & debugging, implementation, modification & maintenance; algorithms & flowcharts; Characteristics of a good program - accuracy, simplicity, robustness, portability, minimum resource & time requirement modularization; Rules/ conventions of coding, documentation, naming variables; Top down design; Bottom-up design.

UNIT-II

Fundamentals of C Programming: History of C; Structure of a C Program; Data types; Constant & Variable, naming variables; Operators & expressions; Control Constructs - if-else, for, while, do-while; Case switch statement; Break, continue, exit(), goto & labels, Arrays; Formatted & unformatted I/O; Type modifiers & storage classes; Ternary operator; Type conversion & type casting; Priority & associativity of operators.

UNIT-III

Modular Programming: Functions; Arguments; Return value; Parameter passing - call by value, call by reference; Return statement; Scope, visibility and lifetime rules for various types of variable, static variable; Calling a function; Recursion - basics, comparison with iteration, types of recursion- direct, indirect, tree and tail recursion, when to avoid recursion, examples.

UNIT-IV

Advanced Programming Techniques: String; Pointer v/s array; Pointer to pointer; Array of pointer & its limitation; Function returning pointers; Pointer to function, Function as parameter; Structure -basic, declaration, membership operator, pointer to structure, referential operator, self referential structures, structure within structure, array in structure, array of structures; Union - basic, declaration; Enumerated data type; Typedef; command line arguments.

UNIT-V

Miscellaneous Features: File handling and related functions; printf & scanf family; C preprocessor- basics, #Include, #define, #undef, conditional compilation directive like #if, #else, #elif, #endif, #ifdef and #ifndef; Variable argument list functions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year
Advanced Concept of Maharishi Vedic Science
(MAHARISHI VEDIC SCIENCE – I & II)
Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda
Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan
Introduction to Maharishi Vedic Management
Fundamental Elements of Vedic Management:- Totality
Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)
Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.
Maharishi Absolute theory of Development.
Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year

हिन्दी भाषा–2

Syllabus

इकाई–1

(क) हिन्दी की व्याकरणिक कोटियाँ : रचनागत और प्रयोगगत उदाहरण संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण आदि तथा समास, सन्धि एवं संक्षिप्तियों रचना और प्रयोगगत विवेचन।

(ख) पाठ : मुक्त गगन है : माखनलाल चतुर्वेदी। शिकागो व्याख्यान : स्वामी विवेकानन्द और वर्ण विन्यास : विश्वनाथ प्रसाद मिश्र।

इकाई–2

(क) विविध विषयों पर संक्षिप्त निबंध लेखन।

(ख) पाठ : क्या लिखूँ : पदुमलाल पुन्नालाल बख्शी। भय से मुक्ति : जे कृष्णमूर्ति। शिरीष के फूल : हजारी प्रसाद द्विवेदी। माण्डव : रामनारायण उपाध्याय, पर्यावरण और राष्ट्रीय सेवा योजना, नर–नारी समानता।

इकाई–3

(क) हिन्दी में प्रयुक्त पारिभाषिक एवं तकनीकी शब्दावली तथा मुहावरे और लोकोक्तियाँ।

(ख) औद्योगिक क्रांति : डॉ. श्यामाचरण दुबे। छोटा जादूगर : जयंशकर प्रसाद।

इकाई–4

विज्ञान और साहित्य : जैनेन्द्र कुमार, विज्ञान परिभाषा, शाखाएँ और संक्षिप्त इतिहास, प्रमुख वैज्ञानिक आविष्कार, हमारा ब्रह्माण्ड और जीवन हमारा सौर मण्डल। जीवन : उद्‌भव और विकास, भारत की वनस्पतियाँ और जीव।

इकाई–5

भोजन और स्वास्थ्य।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year
English Language-II
Syllabus

UNIT– I
Reading Comprehensions of an unseen Passage.

UNIT–II
Vocabulary.

UNIT–III
Report – Writing.

UNIT–IV
Expansion of ideas.

UNIT–V
Grammar.
Questions shall be asked from the prescribed text which will comprise specimens of popular creative/writing and following items.
(A) Matter & Technology

- State of Matter and its structure.
- Technology (Electronics, Communication, Space Science)

(B) Our Scientists & Institutions :

- Life & work of our Eminent Scientists : Arya Bhatt, aurd, Charak, Shohruta, Nagarjun, J.C. Bose, C.V. Raman, S. Ramanujan, Homi J. Bhabha, Birbal Sahani.
- Indian Scientific Institutions (Ancient & Modern)
- Gender Issues.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year

Environmental Studies

Syllabus

UNIT – I

The Multidisciplinary nature of environmental studies Definition, scope and importance. Need for public awareness. Natural Resources: Renewable and non-renewable resources.

Natural resources and associated problems:

(m) Forest resource : Use and over-exploitation, deforestation, case studies, Timber extraction. Mining, drams and their effects on forests and tribal people.

(n) Water resources : Use and over-Utilization of surface and ground water, floods, drought, conflicts over water, dams-benefits and problems.

(o) Mineral resources : Use and exploitation , environmental effects of extracting and using mineral resources, cases studies.

(p) Food resources World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problem, water logging, salinity, case studies.

(q) Energy resources : Growing energy needs, renewable and non renewable energy sources, use of alternate energy sources Case studies.

(r) Land resources : Land as a resource, land degradation, man induced landslides, soil erosion and desertification.

- Role of an individual in conservation of natural resources.
- Equitable use of resources for sustainable lifestyles.

UNIT–II

Ecosystems : Concept of an ecosystem , Structure and function of an ecosystem. Producers, consumers and decomposers. Energy flow in the ecosystem. Ecological succession. Food chains, food webs and ecological pyramids.

Introduction, types, characteristic features, structure and function of ecosystem : (a) Forest ecosystem (b) Grassland Ecosystem. (c) Desert ecosystem . (d) Aquatic ecosystems (Ponds, streams, lakes, rivers, oceans, estuaries,

UNIT–III

Biodiversity and its conservation : Introduction – Definition : genetic, species and ecosystem diversity. Biogeographically classification of India. Value of biodiversity consumptive use, Productive use, Social, ethical, aesthetic and option values. Biodiversity at global, National and local levels. India as a mega diversity nation. Hot-spots of biodiversity. Treats to biodiversity : habitat loss, poaching of wildlife, man wildlife conflicts. Endangered and endemic species of India. Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.

UNIT–IV

Environmental Pollution: Definition : Causes, effects and control measures of : Air Pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal polluting, Nuclear hazards.

Solid waste Management: Causes effects and control measure of urban and industrial wastes. Role of an individual in prevention of pollution. Pollution case studies. Disaster management floods, earthquake, cyclone and landslides.

UNIT–V

Social Issues and the Environment : From Unsustainable to Sustainable development. Urban problem related to energy. Water conservation, rain water harvesting, watershed management. Resettlement and rehabilitation of people, its problems and concerns Case studies. Environmental ethics : Issues and possible solutions. Climate change, global warming acid rain, ozone layer depletion nuclear accidents and holocaust. Case studies. Wasteland reclamation. Consumerism and waste products. Environments Protection Act. Air (Prevention and control of Pollution) Act. Water (Prevention and control of Pollution) Act. Wildlife Protection Act . Forest conservation Act. Issues involved in Enforcement of environmental legislation. Public awareness.

Human Population and the Environment: Population growth, Variation among nations. Population explosion – Family Welfare Program. Environment and human health. Human Rights. Value Education. HIV / AIDS. Women and Child Welfare. Role of Information Technology in Environment and human health. Case Studies.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year

Corporate Accounting

Syllabus

UNIT-I

Issue forfeiture and reissue of shares, redemptions of preference shares, issue and redemption of debentures.

UNIT-II

Final Accounts (Excluding computation of managerial remuneration) and disposal of profit, valuation of goodwill and shares.

UNIT-III

Accounting for amalgamation of companies as per Indian accounting standard 14, Accounting for internal reconstruction-excluding inter, company holdings and reconstruction schemes.

UNIT-IV

Consolidated balance sheet of holding companies with one subsidiary only.

UNIT-V

Statements of changes in financial position on cash basis and working capital basis, familiarity with Indian accounting standard.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year

Cost Accounting

Syllabus

UNIT-I

Introduction, nature and scope of cost accounting, cost concept and classification, methods and techniques, Installation of costing system, concept of cost audit.

UNIT-II

Accounting for material, material control, concept and techniques, pricing of material issues, treatment of material losses, accounting for labour, labour cost control, procedure, labour turnover, idle itme and overtime, wage payment, time and price rates, incentives schemes.

UNIT-III

Accounting for overheads, classification, departmentalisation, absorption of overheads, departmentalisation of overhead rates under and over absorption and its treatment.

UNIT-IV

Cost ascertainment, unit costing, job, batch and contract costing and operating costing.

UNIT-V

Process costing-excluding inter process profits and joint and by products. Cost records, integral and non integral system, reconciliation of cost and financial accounts.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year
Principles of Business Management & Entrepreneurship
Syllabus

UNIT–I

Introduction : Concept, nature, process and significance of management; An overview of functional areas of management; Development of management thought; Classical and neo-classical systems.

UNIT–II

Planning : Concept, process and types. Decision making – concept and process; Management by objectives; Corporate Planning. Organizing : Concept, nature, process, and significance; Authority and responsibility relationships; Centralization and Decentralization.

UNIT–III

Motivating and Leading People at Work : Motivation – concept; Theories – Maslow, Herzberg, McGregor, and Ouchi; Financial and non-financial in - centives. Leadership : Concept and leadership styles; Leadership theories; Likert's System Management.

UNIT–IV

Introduction : The entrepreneur; Definition; Emergence of entrepreneurial class; theories of entrepreneurship; Role of socio-economic environment; Characteristics of entrepreneur. Entrepreneurial Development Programmes (EDP): EDP their role, relevance, and achievements; Roleof Government in organizing EDP's, Critical evaluation.

UNIT–V

Role of Entrepreneur : Role of entrepreneur in economic growth as an innovator, generation of employment opportunities, complementing and supplementing economics growth, bringing about social stability and balanced regional development of industries; Role in export promotion and import substitution.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year

Business Statistics

Syllabus

UNIT–I

Introduction : Statistics as a subject; Descriptive Statistics – compared to Inferential Statistics Types of Data. Analysis of Univariate Data: Construction of a frequency distribution, Concept of central tendency and dispersion and their measures; Partition values; moments; skewness and measures; Kurtosis and measures.

UNIT–II

Analysis of Bivariate Data: Linear regression and correlation. Index Number : Meaning, types and uses; Methods of constructing price and quantity indices (Simple and aggregate); Tests of adequacy; Chain-base index numbers; Base shifting, splicing, and deflating; Problems in constructing index numbers; Consumer price index.

UNIT–III

Analysis of Time Series: Causes of variations in time series data; Components of a time series; Decomposition - Additive and multiplicative models; Determination of trend-Moving averages method and method of least squares (including linear, second degree, parabolic, and exponential trend); Computation of seasonal indices, by simple averages, ratio-to-trend, ratio-to-moving average, and link relative methods.

UNIT–IV

Forecasting Methods : Forecasting – concept, types and importance; General approach to forecasting; Methods of forecasting; Forecasting demand; Industry Vs Company sales forecasts; Factors affecting company sales.

UNIT–V

Theory of Probability : Probability as a concept; the three approaches to defining probability; Addition ad multiplication laws of probability; Conditional probability ; Bayes' Theorem; Expectation and variance of a random variable . Probability Distributions: Probability distribution as a concept Binomial, Poisson, and Normal distributions – their properties and parameters.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year

DBMS and SAD

Syllabus

UNIT - 1

Database System Concepts, Advantages and Disadvantage of Database Systems. Architecture of Database System:View/Schema, Logical, Conceptual and Physical Design, Their Inter Relationship. DDL, DML and Data Dictionary.Database Administrator. Entity Relationship Model as a Tool of Conceptual Design: Entities & Entity Set,Relationship & Relationship Set, Attributes, Mapping Constraints, Keys. Entity-Relationship Diagram (E-R Diagram): Strong & Weak Entities, Generalization, Specialization, Aggregation, Reducing ER Diagram to Tables.

UNIT - 2

Relational, Hierarchical and Network Models, Their Advantages and Disadvantages, Storage Organization for Relations. Relational Model: Structure Tupple Attributes. Normalization: First, Second, Third & BCNF Normal Forms. Key: Primary Key, Candidate Key. Integrity Rules: Entity Integrity, Referential Integrity Rules. Relational Algebra: Select, Project, Cross Product, Different Types of Joins i.e. Theta Join, Equi Join, Natural Join, Outer Join, Set Operations. Definition of Union, Set Difference, Cartesian Product, Selection, Intersection, Relational Query
Language.

UNIT - 3

Functional Protection and Crash Recovery: Protection against Crashes: Different Types of Crashes; Backup, Journal, Rollback, Committed And Uncommitted Transactions, Security on Database. Transaction Concept, Transaction State, Serializability, Security of Database: User Identification. Physical Protection and Maintenance, Transmitted of Rights. Integrity: Integrity Violation, Implementation of Check's in Enforcing Integrity; Concept of Distributed Database.

UNIT – 4

System: Definition and Concept; Real Time and Distributed Systems; Data Information and Related Attributes; System Analysis and Analyst. System Development Life Cycle: Study, Analysis, Design, Development And Implementation; System Planning; Data Fact Finding Techniques. Data Models: Hierarchical, Network, and Relational. Comparison between Data Models.

UNIT – 5……..[46-81]

System Design and Modeling: Logical and Physical Design Representation, Data Flow Diagram, ERD, Structured Charts. Forms Design: Classification, User Interface; Standards; Control and Validation Checks; User Interface Guidelines Modular and Structured Design. System Implementation & Maintenance; Project Management Techniques; Use of an Available Tool .A Case Study.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Second Year
Networking Fundamentals and Multimedia
Syllabus

UNIT-I

Introduction to Computer Communications and Networking Technologies; Uses of Computer Networks; Network Devices, Nodes, and Hosts; Types of Computer Networks and their Topologies; Network Software: Network Design issues and protocols; Connection-Oriented and Connectionless Services; Network Applications and Application Protocols; Computer Communications and Networking Models; Decentralized and Centralized Systems, Distributed Systems, Client/Server Model, Peer-to-Peer Model, Web-Based Model, Network Architecture, OSI Reference Model and the TCP/IP Model; Example Networks; The internet, X.25, Frame Relay, ATM.

UNIT-II

Analog and Digital Communications Concepts: Representing Data as Analog Signals, Representing Data as Digital Signals, Data Rate and Bandwidth, Capacity, Baud Rate; Digital Carrier Systems; Guided and Wireless Transmission Media; Communication Satellites; Switching and multiplexing; Dialup Networking; Analog Modern Concepts; DSL Service.

UNIT-III

Introduction to LAN technologies: Ethernet, switched Ethernet, VLAN, fast Ethernet, gigabit Ethernet, token ring, FDDI, Wireless LANs; Bluetooth; Network Hardware Components: Connectors, Transceivers, Repeaters, Hubs, Network Interface Cards and PC Cards, Bridges, Switches, Routers, Gateways. Network Security Issues: Security threats; Encryption Methods; Authentication.

Multimedia : Definition, Needs and areas of use, Multimedia elements – Text, Images, Sound, Animation and Video, Making simple multimedia with PowerPoint. Multimedia on the Web.

UNIT-IV

Text – Concepts of plain & formatted text, RTF & HTML texts, using common text preparation tools, Conversion to and from of various text formats, using standard software, Object Linking and Embedding concept, Basics of font design, overview of some fonts editing and designing tools, Understanding & using various text effects.

Image – importance of graphics in multimedia, Vector and Raster graphics, image capturing methods – scanner, digital camera etc., Image file formats – BMP, DIB, EPS, CIF, PEX, PIC, JPG, TGA, PNG and TIF Format – their features and limitations, graphic file formats conversions, processing images with common software tools such as Photoshop.

UNIT–V

Sound : Sound and it Attributes, Mono V/s Stereo sound, Sound channels, Sound and its effect in multimedia, Analog V/s Digital sound, Overview and using some sound recording, editing software, Overview of various sound file formats on PC – WAV, MP3, MP4 etc.

Animation : Basics of animation, Principle and use of animation in multimedia, Effect of resolutions, pixel depth, Image size on quality and storage. Overview of 2-D and 3-D animation techniques.

Video : Basics of Video – Analog and Digital Video, Various video standards – NTSC, PAL, SECAM, HDTV, Introduction to video capturing Media & instrument – Videodisk, DVCAM, Camcorder, Introduction to digital video compression techniques and file formats – AVI, MPEG, MOVE Real Video.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year

संप्रेषण कौशल, हिन्दी भाषा और सामान्य ज्ञान

Syllabus

इकाई–1

(क) भारत माताः सुमित्रानंदन पंत, परशुराम की प्रतीज्ञा : रामधारी सिंह दिनकर, बहुत बड़ा सवालः मोहन राकेश, संस्कृति और राष्ट्रीय एकीकरणः योगेश अटल ।

(ख) कथन की शैलियाँ : रचनागत उदाहरण और प्रयोग।

इकाई–2

(क) विकासशील देशों की समस्यायें, विकासात्मक पुनर्विचार, और प्रौद्योगिकी एवं नगरीकरण ।

(ख) विभिन्न संरचनाएँ।

इकाई–3

(क) आधुनिक तकनीकी सभ्यता, पर्यावरण प्रदूषण तथा धारणीय विकास।

(ख) कार्यालीन पत्र और आलेख।

इकाई–4

(क) जनसंख्याः भारत के संदर्भ में और गरीबी तथा बेरोजगारी।

(ख) अनुवाद।

इकाई–5

(क) ऊर्जा और शक्तिमानता का अर्थशास्त्र।

(ख) घटनाओं, समारोहों आदि का प्रतिवेदन और विभिन्न प्रकार के निमंत्रण–पत्र।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year
English Language and General Awareness
Syllabus

UNIT – I
Writing skills for compositing-essay writing

UNIT – II
Precise Writing.

UNIT – III
Reading Comprehension of an unseen passages

UNIT – IV
Vocabulary based on text

UNIT – V
Grammar : Advanced Exercises .

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year

Computer

Syllabus

UNIT – I

INTRODUCTION TO COMPUTER ORGANIZATION: History of development of computers , computer system concepts. Characteristics, Capability and Limitations. Generation of computers, types of PC's Desktop, Laptop, Notebook, Palmtop, workstation & their Characteristics. Basic components of a computer system, Control Unit, ALU, Input/ Output function and Characteristics, memory RAM, ROM, EPROM, PROM.

UNIT–II

INPUT, OUTPUT AND STORAGE, DEVICES : Input Devices : Keyboard, Mouse, Trackball, Joystick, Digitizing tablet, Scanners. Digital Camera, MICR, OCR. OMR. Bar-code Reader, Voice Recognition, Light pen, Touch Screen. Output Devices : Monitors Characteristics and types of monitor, video standard VGA, SVGA, XGA, LCD screen etc. Printer, Daisy wheel, Dot Matrix, Inkjet, laser, Line Printer, Plotter, Sound Card and speakers : Storage Devices : Storage fundamentals primary Vs Secondary, Various Storage Devices Magnetic Tape, Catridge Tape. Data Drives, Hard Disk Drives. Floppy Disks. CD, VCD, CD- R. CD-RW, Zip Drive. DVD. DVD-RW.

UNIT–III

INTRODUCTION TO OPERATING SYSTEM AND WORD : Introduction to operating systems. Its functioning and types. Basic commands of DOS & Windows Operating System. Disk Operating System (DOS): Introduction History and versions of DOS. DOS Basics : Physical structure of disk, drive name, FAT, file & director structure and naming rules. Booting process DOS system files. OS Commands: Internal DIR. MD, CD, RD. Copy DEL, REN, VOL,. DATE. TIME, CLS PATH, TYPES. External CHKDSK, SCOPY, PRINT, DISKCOPY, DISKCOMP. DOSKEY, TREE, MO. LABET, APPEND FORMAT, SORT, FDISK, BACKUP, EDIT, MODE, ATTRIB, HELP SYS etc. Executable V/s Non executable files in DOS. Word Processing : Word : Introduction to Word Processing. MS Word features, Creating, Saving and Opening Window Editing Text Selecting. Inserting, deleting, moving text. Previewing documents. Printing documents, Print a document from the standard toolbar, Print a document from the menu, shrinking a document to file page, Reduce the number of pages by one. Formatting Documents : Paragraph, formats, Aligning Text and Paragraph, Borders and shading, Header and Footer Multiple Columns.

UNIT–IV

INTRODUCTION TO EXCEL AND POWER POINT: Excel & Worksheet: Worksheet basics: Creating worksheet, entering data into worksheet, leading information, data, text, dates, alphanumeric, Values saving & quitting worksheet. Opening and moving around in an existing worksheet. Toolbars and Menus. Keyboard shortcuts. Working with single and multiple workbook coping, renaming, moving, adding, and deleting coping entries and moving between workbooks. Working with formulas & cell referencing. Autosum. Coping formulas. Absolute & Relative addressing. PowerPoint : Features and various versions. Creating presentation using slide master and template in various colour scheme. Working with different views and menus of PowerPoint : Working with slider make news slide move, copy, delete, duplicate, lay cutting of slide, zoom in or out of a slide. Editing and formatting text: Alignment, editing, inserting, deleting, selecting, formatting of text, find and replace text. Bullets, footer, paragraph formatting, spell checking. Printing presentation Print slides, notes handout Clip Arts pictures and charts. Slides sorter, slide transition effects and other animation effects. Presenting the show making stand alone presentation Pack and go wizards.

UNIT – V

INTRODUCTION TO INTERNET: Evolution protocol, concept, Internet, Intratect, Dia-Up connectivity, leased , VSAT, Broad band, URLs. Domian names, Portals, e-mail, Pop & web based Email. Bastes of sending and receiving Emails, Email & Internet Ethics, Computer virus, Antivirus software wage. Web Browsers.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year

Income Tax

Syllabus

UNIT-I

Basic concepts of Income, Agriculture Income, Assessee, Previous year, Assessment year, Residence and tax liability. Exempted incomes, Income from salaries.

UNIT-II

Income from house property, Profits and gains of business or profession.

UNIT-III

Capital gains, Income from other sources, Set off and carry forward of losses, Clubbing of income.

UNIT-IV

Deductions from gross total income available to all types of assessee, Rebates and relief from tax liability, Assessment of Individuals.

UNIT-V

Computation of tax liability of individuals, procedure for Assessment, Income tax Authorities.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year

Indirect Taxes

Syllabus

UNIT-I

Central excise duty: Concept basic conditions important officials' goods excisable goods manufacturer, classification of goods. Principles of Classification, Volution under Central Excise, an dvalorem duty. Valuations rose, concept of CENVAT, exemption is all industries, administrative setup of Central Excise.

UNIT-II

Custom duty : Nature and types of custom duty, volution rules, under costom duty. Procedure for import and export. Export promotion schemes-- export oriented units, export processing zones, special economic zone.

UNIT-III

Central Sales Tax : Introduction, Important Terms, Definitions under the Central Sales Tax Acts and 1956 Dealers, the Clearer Goods Place of Business, Sales, Sale price, Turnover, Provisions Relating to Interstate Sales, Sailed against from C and D Degeneration of gross Turnover and Taxable Sale

UNIT-IV

MP commercial Tax: Introduction, Tax-free goods, registration, licensing of dealers, computation of taxable turnover and commercial tax.

UNIT-V

MP Commercial Tax: Assessment Procedure, Payment and the Recovery of Tax, Commercial Tax Authorities, Power and Duties, Appeals and revision, Concept of Value Added Tax.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year

Management Accounting

Syllabus

UNIT-I

Management Accounting: meaning, nature, the scope, and functions of management accounting, role of management accounting in decision-making, management accounting versus financial accounting and cost accounting: tools and techniques of management accounting.

UNIT-II

Financial Statements: Meaning, Limitations of financial statements, or citizen matters of financial statements analysts, racial analysis, classification of ratios-profitability ratio, turnover ratio, financial ratio, advantages of racial analysis, limitations of accounting ratio.

UNIT-III

Fund flow statement, cash flow statement as per Indian accounting standard.

UNIT-IV

Absorption and marginal costing: Marginal and differential costing as a tool for a decisionmaking-make or by: change of product mix, pricing, break even analysis, exploring new markets, shut down decisions.

UNIT-V

Budgetary Control: meaning of present and budgetary control, or cities, merits and limitations, price of buzzers, face and flexible budgeting, control ratios, zero-based busting, performs busting. Standard costing and Iran's analysis : meaning of the standard costs and a standard costing, advantages and application, Variance analysis, meaning of the standard costs and a standard costing, advantages and application where yarns analysis-material and labour Variance.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year

Auditing

Syllabus

UNIT-I

Introduction : meaning and all cities of auditing, types of audit, internal audits, audit process, audit programme, audit and books, working papers and evidence, consideration for commencing an audit, routine checking and test checking,.

UNIT-II

Internal check system: Internal audit procedures

UNIT-III

Vouching: Verification of assets and liabilities.

UNIT-IV

Audit of limited companies: Company auditor- appointments, powers, duties, liabilities. Divisible profits and dividend. Auditors report- a standard report and qualified report

UNIT-V

Special audit of: Banking companies. Educational and nonprofit institutions. Insurance companies. Investigations : where fraud is suspected, when running a business is proposed. The recent trends in auditing : Major Significance of Costs Audit, That's Audit Management Audit.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year
GUI Programming Using Visual Basic
Syllabus

UNIT-1

Visual Basic Overviews : IDE of Visual Basic 6.0 (Menu Bar, Tool Box, Project Explorer, Properties Windows, Form Layout) Visual Basic Intrinsic Control, Form Designers & Code Window, Visual Basic Explicit Controls, Introduction to forms, Common Properties, Common Methods, Common Events, Form Objects, Form Life Cycle, Variables & Procedures, Scope and Life time of variables, Control Structures

(If Then Else, Select Case, Do while Loop, For Next), Exit for and Exit Do statement, With-End with statemnet, overview of native data type, Aggregate Data Types, Procedures, Scope, Parameters List and Return values, Error Handling, Control Flow, Standard EXE Project.

UNIT-2

Visual Basic Library : Working with numbers, Working with strings, Working with Date & Time, File Handling and File Controls, Classes and Objects, Advance forms and Dialog: MDI forms window common controls, Tree view control, List View control, Status Bar Control, Progress Bar control, Slider Control, Date Time Picker control: Active X Controls, Common Dialog control, Rich text Box, SSTab control.

UNIT-3

Database programming : Overview of ODBC, DAO, RDO, OLEDB, ADO, working with Database Tools, Data Environment Design, Connection Objects, Data Binding with Data Environment Design, Working with ADO's Building the connection String, Opening the connection, Asynchronous connection, Opening a Record set object, Basic Operation on a Database using common Objects.

UNIT-4

Tables and Reports : Data Grid Control, Hierarchical Flex Grid Control, Data Report Designer, Active X Component: Introducing COM, Types of COM components, Active X controls Active X EXEs, Active X DLLs, Remote Active X Components (DCOM) creating user Controls using Active X contrls Projects, Creating Code COM, Active Server pages: Built in ASP objects: Response object (write, buffer, clear, flush, End, redirect, Expires, Expire Absolute method).

UNIT-5……..[48-61]

Request Object : Form collection (Query String, form), HTTP headers, reading the HTTP headers request. Server variables method, Environment variable. Cookies: Reading and writing cookies, Tradeoffs of cookies, Session object: Session variable. Application Object: Application variable, Session Vs Application object. Global as a file. ASP components: Add

Rotator, Content Linker and Browser capabilities, Server object: Reading and Writing Files on the web server. ASP error object.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

B.Com (Computer Application)-Final Year
Web Designing and E-Commerce
Syllabus

UNIT-1

Web Design: Software and hardware requirements, rules for good website design, introduction to HTML. HTML Basics: Structure of a web page, building basic html tags.

UNIT-2

Beyond Basic: Adding flair and impact t the web pages using graphical and animation techniques, Netscape editor, FrontPage and Photoshop tools, gif and jpeg files, scanning pictures.

Introduction of advanced HTML tags: use of tables, frames, forms, cgi, dynamic web pages,multimedia on web, security issues

UNIT-3

Electronic Commerce : Introduction to Information technology and Business, Electronic, Data Interchange (EDI), benefits of EDI, Electronic Commerce over the Internet, Some examples of Internet Commerce can be taken (e.g., Commerce Net).

EDI & E-Commerce: Electronic data Interchange (Introduction, components, costs/ benefits,implementation & legal Issues), UN/EDIFACT standard, the internet and extranets for Electronic Commerce, identification and tracking tools for Electronic Commerce (the EAN system) UNICITRAL Model Law for E-Commerce.

UNIT-4

Concerns for E-Commerce Growth: Internet Bandwidth and Technology Issues, Security Issues (Security concerns & solutions, handling electronic cash over the Internet, cryptography).

UNIT-5

E-Commerce and Rural Area: How much progress has been made in rural sector, what can be the future plans etc. Some case studies and be taken here. A case study may be done to see how to start a e-commerce site over the internet.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-First Semester
Fundamentals of Maharishi Vedic Science
(Maharishi Vedic Science – I & II)
Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-First Semester

हिन्दी भाषा

Syllabus

इकाई 1

मानक हिन्दी भाषा – मानक का अर्थ, मानक भाषा के विभिन्न नाम, मानक हिन्दी के लक्षण, आवश्यकता आधुनिकीकरण की प्रक्रिया और मानक भाषा पर पड़ने वाले विभिन्न प्रभाव, मानक हिन्दी का स्वरूप, मानकीकृत भाषा के प्रमुख लक्षणों का सार। मानक हिन्दी के प्रकार – हिन्दी के रूप, व्याकाणिक, ढांचा, मानक हिन्दी की शैलियां (1) संस्कृत निष्ठ हिन्दी (2) उर्दू (3) हिन्दुस्तानी।

इकाई 2

अशुद्वियां और उनका संशोधन – अशुद्वियां के प्रकार (1) उच्चारण तथा वर्तनीगत अशुद्वियां (2) शब्दगत अशुद्वियां (3) शब्दार्थगत अशुद्वियां (4) वाक्यगत अशुद्वियां । (1) विभक्ति संबधी अशुद्वियां – (क) कर्तारक (ख) कर्मकारक (2) लिंग संबंधी अशुद्वियां (3) वचन संबधी अशुद्वियां (4) विशेषण संबंधी अशुद्वियां (5) विपरीत शब्दों के प्रयोग संबंधी अशुद्वियां। हिन्दी का शब्द भंडार – (क) शब्दों को प्रकार, तत्सम, तद्भव, अर्ध तत्सम, देशी, विदेशी, धार्मिक और सांस्कृतिक, शासन संबंधी, शिक्षा संबंधी, कामधंधे संबंधी, खानपान संबंधी, पहनावा संबंधी, फल–फूल संबंधी।

इकाई 3

हिन्दी की वाक्य रचना और विराम चिन्ह – (1) वाक्य और प्रकार, वाक्य के लक्षण, वाक्य की उपादेयता, समर्थ और असमर्प वाक्य। वाक्य परिवर्तन, विधानवाचक से निषेध वाचक, निश्चय वाचक, प्रश्नवाचक, विस्मयादिक बोधक, वाक्य परिवर्तन विशेषण की तुल्नावस्था मे परिवर्तन, शब्दों का परिवर्तन, सरल से मिश्र वाक्य, संयुक्त वाक्य तुलनात्मक अध्ययन, वाक्य बदलना,
वाक्य परिवर्तन, वाक्य के भेद, विधिवाचक, निषेध वाचक, आज्ञावाचक, प्रश्नवाचक, विस्मयवाचक, इच्छावाचक, संदेहवाहक, संकेतवाचक।

इकाई 4

उपवाक्यों के भेद – संज्ञा उपवाचक, विशेषक उपवाचक, क्रिया विशेषक, कालवाचक, स्थानावाचक, परिमाण वाचक, रीतिवाचक, कार्यकरण वाचक, हिन्दी में प्रयुक्त विराम चिन्ह–पूर्ण विराम, अल्पविराम। पत्रलेखन, सारलेखन, पल्लवन।

पत्र लेखन– पत्र लेखन के प्रकार, पत्रों के उदाहरण एवं पत्र लेखन की विशेषताएं (1) निजी पत्र, निमत्रण पत्र (2) व्यावसायिक पत्र, व्यावसायिक पत्रों के प्रकार (3) शासकीय एवं अर्द्धशासकीय पत्र (4) आवेदन पत्र, समस्या प्रधान, आलोचनात्मक शिकायती सुझाव संबधी स्पष्टीकरण पत्र (ख) सार लेखन (ग) पल्लवन।

इकाई 5

भारतीय संस्कृति – भारत देश और उसके निवासी – रामधारी सिंह 'दिनकर' । भारतीय समाज की संरचना, सामाजिक गतिशीलता (प्राचीन से लेकर आधुनिक काल तक), धर्म और दर्शन। भारतीय संस्कृति का विश्व पर प्रभाव, मध्यप्रदेश का सांस्कृतिक वैभव।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- First Semester

उद्यमिता विकास

Syllabus

इकाई–1

उद्यमिता– परिभाषा, विशेषताएँ एंव महत्व, एक उद्यमी के प्रकार एवं कार्य, एक अच्छे उद्यमी के गुण, उद्यमिता अभिप्रेरणा घटक।

इकाई–2

लक्ष्य प्राप्ति की प्रेरणा एवं विचारों की स्थापना। लक्ष्य निर्धारण एवं चुनौती का सामना। समस्या समाधान एवं सृजनात्मकता। क्रमबद्ध योजना एवं क्षमता की दिशाबद्धता। आत्मविश्वास का विकास। सम्प्रेषण कला। प्रभावित करने की क्षमता। नेतृत्व।

इकाई–3

परियोजना प्रतिवेदन। चुनी हुई प्रक्रिया का मूल्यांकन । विस्तृत परियोजना प्रतिवेदन–आवश्यकता एवं प्रासंगिकता परियोजना प्रपत्र के प्रमुख भाग, परियोजना प्रतिवेदन तैयार करना।

संगठन के प्रकार का चयन– एकाकी व्यवसाय, साझेदारी एवं सहकारी समिति का अर्थ एवं विशेषताएँ, संगठन के चयन को प्रभावित करने वाले घटक।

आर्थिक प्रबंधन। वित्तीय संस्थान एवं बैंको की भूमिका, बैंकिंग, वित्तीय योजना, कार्यकारी पूँजी–मूल्यांकन तथा प्रबन्धन, लागत व मूल्य निर्धारण तथा लाभ का मूल्यांकन, आर्थिक लेखा–जोखा रखना।

इकाई–4

उत्पादन का प्रबन्धन। खरीदने के तरीके, चल सम्पत्ति/माल का प्रबन्धन, गुणवत्ता प्रबन्धन, पैंकिंग, विपणन प्रबन्धन, बिक्री एवं बेचने की कला, बाजार की समझ एवं विपणन नीति, उपभोक्ता प्रबंधन, समय प्रबन्धन।

नियामक संस्थाओं की भूमिका– जिला उद्योग केन्द्र, प्रदूषण निवारण मंडल, खाद्य एवं औषधि प्रशासन, विद्युत विभाग तथा नगर निगम का विशेष अध्ययन।

विकासात्मक संस्थाओं की भूमिका, खादी एवं ग्रामीण आयोग/बोर्ड, मध्यप्रदेश वित्त निगम, अनुसूचित बैंक, मध्यप्रदेश का महिला आर्थिक विकास निगम।

इकाई–5

स्वरोजगार मूलक योजनाएँ– प्रधानमंत्री रोजगार योजना, स्वर्ण जयंती शहरी रोजगार योजना, रानी दुर्गावती स्वरोजगार योजना, दीनदयाल स्वरोजगार योजना।

विभिन्न अनुदान योजनाएँ– लागत पूँजी अनुदान, ब्याज अनुदान, प्रवेश कर से छूट, परियोजना प्रतिवेदन, प्रतिपूर्ति अनुदान आदि।

महिला उद्यमियों हेतु विशेष प्रेरणाएँ, संभावनाएँ एवं समस्याएँ।

मध्यप्रदेश आदिवासी वित्त विकास निगम की योजनाएँ, म.प्र. अन्त्यावसायी निगम की योजना, म. प्र. पिछड़ा वर्ग एवं अल्पसंख्यक वित्त विकास निगम की योजनाएँ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- First Semester

DISCRETE MATHEMATICS

Syllabus

UNIT-I

Sets & Preposition–Introduction, combinations of sets, finite and infinite set, unacceptable indefinite sets,principle of inclusion , preposition. Relation and function introduction, relation models for database. Properties of binary relation. Equivalence relation and lattices , partial ordering relation and lattices. Chain and anti-chain, a job scheduling problem and the pigeonhole principle.

UNIT-II

Recurrence relation and recursive algorithm – Introduction, Recurrence, relation linear recurrence with coefficients solution, particular solutions, total solutions.

UNIT-III

Group and ring –group and subgroup , generator and Evaluation of power , Cosets and Lagrange theorem, Permutation , groups and codes , Isomorphism and automorphism , Homomorphism and Normal group, Rings , Integral Domains and Field , Polynomial ring and cyclic codes.

UNIT-IV

Boolean algebra lattices and algebraic system , principle of duality , basic properties of algebra's of system , defined by lattices , Distributive and complemented lattices , Boolean lattices and Boolean algebra's. Uniqueness finite Boolean algebra's. Boolean function and Boolean Expression, Prepositional Calculus.

UNIT-V

Finite state machine –introduction, finite state machines, finite state machine as model of physical system, Equivalent machine, finite state Machine as language Recognizer.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- First Semester

STATISTICAL METHODS & PROBABILITY THEORY

Syllabus

Unit – I

Statistics-meaning, definition and scope : Definition of statistics, importance, scope and limitations. Primary and secondary data. Classification and tabulation. Understanding Graphical presentation-Histogram, Frequency polygon, frequency curve, cumulative frequency curve (ogive) .Diagrammatic presentation-Bar diagram, duo-directional bar diagram, two dimensional diagram, Pie-diagram. Measure of central tendency – requisites of ideal measure, arithmetic means, geometric mean and harmonic mean and their merits, demerits. Median, Mode and their merits, demerits. Other partition values. Determination of median and mode by graphical method.

Unit- II

Measure of dispersion, Skewness and kurtosis : Requisites of ideal measure, Range, quartile deviation, mean deviation, standard deviation and their merits, demerits. Root mean square deviations and relation with standard deviation. Various formulae for calculating variance, variance of composite series, coefficient of variation, moment , moments about mean in terms of moments about any point and vise-versa. Properties of moment pearson's Beta and Gamma coefficients, Sheppard's correction. Skewness, kurtosis and their measures.

Unit – III

Bivariate distribution : Scatter diagram, Karl Pearsons' coefficient of correlation. Determination of correlation coefficient for grouped data. Spearman's rank correlation coefficient (Repeated rank also). Curve fitting- Legender's principle of least squares, fitting of straight line, parabola, power curve and exponential curve. Regression, line of regression and their properties.

Unit – IV

Probability-definitions : Trial, event and sample space. Exhaustive events, favourable events, equally likely events, Independent events and dependent events. Mathematical and statistical definition of probability with their limitations. Axiomatic definition of probability, addition law of probability, conditional probability, multiplication law of probability, Baye's theorem (with proof).

Unit - V

Random variable : Discrete and continuous random variable, probability mass function, probability density function and their properties. Distribution function and their properties. Joint, Marginal and Conditional probability function. Stochastic independence. Mathematical expectation and their properties, addition and multiplication theorem of expectation. Mean and Variance of linear combination of random variables.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA
DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-First Semester

FUNDAMENTAL OF COMPUTER AND INFORAMATION TECHNOLOGY

Syllabus

UNIT-I

Introduction to computer and information technology : History of development of computers, computer system concept , characteristics, capabilities and limitation , types of computer –analog , digital , hybrid , general, special purpose, micro, mainframe, super , generation of computer , personal computer (PCs) –IBM PCs, characteristics , PC/PCXT/PCAT-configurations, Pentium and Newer PCs specification and main characteristics , types of PCs-Desktop, Laptop, Notebook, Palmtop , Workstation etc , their characteristics.

Computer Organizations and Working: Basic component of a computer system –control unit, ALU, INPUT /Output function and characteristics, memory –RAM, ROM, EPROM, PROM and other types of memory.

UNIT-II

Input Devices: Keyboard, Mouse, Trackball, Joysticks, Digitizing tablet, Scanner, Digital Camera, MICR, OCR, OMR, BAR-CODE Reader, Voice Recognition, Light Pen, and Touch Screen.

Output Devices: Monitor –characteristics and types of monitor –digital , analog size, resolution, refresh rate , Interlaced /Non Interlaced , Dot Pitch , Video Standard –VGA,SVGA,XGA etc, Printer –Daisy wheel, Dot Matrix, Inkjet , Laser , line printer , plotter , sound card and speakers.

Storage Devices: Storage Fundamental–Primary VS Secondary , Data Storage and Retrieval method – Sequential , Direct and Index Sequential , Various Storage Devices –Magnetic Tape ,Magnetic disks , Cartridge Tape , data drives, hard disk drives, floppy (Winchester disks), Disks , Optical Disks , CD,VCD,CD-R,CD-RW, ZIP Drive.

UNIT-III

Computer Software: Need, types of software –system software, application software, system software-operating system, utility program, programming Language, assemblers, compiler and interpreter.

Operating System: Function, types –batch, single, Multiprogramming, Multiprocessing. Programming languages- Machine, Assembly High Level, 4GL, their merit and demerits.

Application Software: Word –processing, spreadsheet, presentation graphics, data base management software, characteristics, user and example and area of application of each of them.

Number System: Data representation in computer, number system of computer –Binary, Octal, Hexa-Representation & their conversion, coding system –ASCII, BCD, EBCDIC etc.

UNIT-IV

Data Communication and Networks: communication channels –twister , coaxial , fiber , optic .Types of Networks –LAN,WAN,MAN etc, Topologies of LAN –Ring , BUS ,STAR,MESH and TREE topologies , components of LAN-media , NIC,NOS, Bridges, HUB, Routers Repeater and Gateway .

UNIT-V

Computer virus: Virus working principles, types of viruses, virus detection and prevention, viruses on networks. Use of communication and IT in daily life.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Second Semester
Fundamentals of Maharishi Vedic Science
(MAHARISHI VEDIC SCIENCE – I & II)
Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda
Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan
Introduction to Maharishi Vedic Management
Fundamental Elements of Vedic Management:- Totality
Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)
Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.
Maharishi Absolute theory of Development.
Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Second Semester
ENGLISH LANGUAGE
Syllabus

UNIT - I

Simple, Compound and Complex Sentences. Coordinate Clause (With, But, Either - Or Neither-Nor, Otherwise or Else).

UNIT - II

Subordinate clauses – noun clauses as subject, Object and complement: Relative clauses (restrictive and nonrestrictive clauses) Adverb clauses (open and hypothetical, conditional, with, because, though, here, so that, as long as, as soon as).
Comparative Clause (as + = adjective/adverb + as-no sooner than).

UNIT - III

Tenses: Simple present, progressive and present perfect. Simple past, progressive and past perfect. Indication of Futurity. The passive (Simple present and past, present and past perfect and to infinitive structure).

UNIT - IV

Reported Speech: (i) Declarative sentences, (ii) Imperatives (iii) Interrogatives , Exclamatory sentences. Models (will, shall, should, would, ought to, have to/have got to, can, could, may-might and need).

UNIT - V

Verb Structures (Infinitives and gerundial), Linking devices. Letter (both formal and informal).

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Second Semester

उद्यमिता विकास–II

Syllabus

इकाई–1

उद्यमिता का आशय, विचारधारा, उद्यमी के लक्षण।

इकाई–2

उद्यमिता के प्रकार, महत्व और विभिन्न विद्वानों के मत। लक्ष्य निर्माण, लक्ष्य कैसे प्राप्त करें। लक्ष्य प्राप्ति में समस्याएँ, उनका समाधान। स्वप्रेरणा, स्वप्रेरणा के तत्व और विकास। विभिन्न विद्वानों के मत, आकलन, निष्कर्ष। नेतृत्व क्षमता, उसका विकास और परिणाम।

इकाई–3

परियोजनाएँ तथा विभिन्न संगठन (शासकीय–अशासकीय), शासकीय परियोजनाएँ, अशासकीय परियोजनाएँ, बैंकों का योग, उनकी सीमाएँ, क्षेत्र।

इकाई–4

अच्छे उद्यमी के कार्य, गुण, प्रबंधन इत्यादि। अच्छे उद्यमी के गुण, आधुनिक और पूर्ववर्ती उद्यमी की प्रबंधन कला (कौशल), उद्यमी प्रेरक तत्व।

इकाई–5

उद्यमी की समस्याएँ, क्षेत्र, पूँजी की समस्या, शाक्तिकरण (ऊर्जा) की समस्या, पंजीयन की समस्या। प्रशासनिक समस्याएँ, स्वामित्व की समस्याएँ, इत्यादि।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Second Semester

ADVANCE CALCULUS & MATRICES

Syllabus

UNIT-I

Derivative as Tangent to a curve, Continuity and differentiability, limit and derivative, derivative of products and composite function , Leibnitz rule and chain rule.

UNIT-II

Expansion of function by Maclaurins's theorem, Taylor's theorem, partial differentiation, total differentiation coefficient, Homogeneous Function, Euler theorem.

UNIT-III

Integral as anti- derivative , integration by part , change of variable , integration of rational and irrational function , definite integral , definite integral as a limit of a sum , application of definite integral to find sum of infinite series.

UNIT-IV

Differential Equation : solution of ordinary differentiation equations ,solution of first order and first degree differential equation , first order and higher degree differential equation, linear differential equation of second order.

UNIT-V

Matrix: Solution of system of linear equation using matrix method , rank of matrix , consistency of the linear system , Eigen value and Eigen vectors.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Second Semester

STATISTICAL METHODS & PROBABILITY DISTRIBUTION

Syllabus

UNIT- I

Plane of regression, Properties of residual, Yule's notation, Multiple and Partial regression, Multiple and partial correlation coefficient (For three variables) and their properties.

UNIT – II

Theory of Attributes : Class, Class frequencies, order of classes, consistency of data, conditions for consistency of data. Independence of attributes, criterion for independence of attributes, Yule's coefficient of association, coefficient of colligation.

UNIT – III

Theoretical Discrete Distributions – Binomial Distribution, Poisson Distribution (Limiting form of Binomial Distribution), Negative Binomial Distribution, Geometric Distribution, Hyper geometric Distribution and their properties.

UNIT – IV

Theoretical continuous Distribution – Rectangular or Uniform Distribution, Normal Distribution, Gamma Distribution, Beta Distribution (I^{st} and II^{nd} kind), Exponential Distribution, Cauchy Distribution and their properties.

UNIT- V

Bivariate normal Distribution – Marginal and Conditional Distribution, moment generating function, their properties and limitations (without proof). Cumulants and their properties. Chebyshev's inequality, convergence in probability, Weak law of large numbers, Burnolli's law of large numbers. Central limit theorem – Lindeberg – Levy's and De-Moiver – Laplace theorem

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Second Semester

PROGRAMMING METHODOLOGY AND C PROGRAMMING

Syllabus

UNIT - I

Program Concept, Characteristics of Programming, Various Stages in Program Development, Algorithms, Flow Charts, Programming Techniques – Top Down, Bottom Up, Modular, Structured, Features, Merits, Demerits and Their Comparative Study. Programming Logic - Simple, Branching, Looping, Recursion, Programming Testing & Debugging.

UNIT- II

Introduction to C Language, C Language Standards, Features of C, Structure of C Program, Introduction to C Compilers, Creating and Compiling C Programs, IDE, Features of Turbo C Compiler. Keywords, Identifiers, Variables, Constants, Scope and Life of Variables, Local and Global Variable, Data Types, Expressions. Operators - Arithmetic, Logical, Relational, Conditional and Bit Wise Operators, Precedence
and Associativity of Operators, Type Conversion. Basic Input/output Library Functions, Character Input/output getch(), getchar(). getche(), putchar(). Formatted Input/output - printf() and scanf(),Mathematical & Character Functions.

UNIT- III

Declaration Statement, Conditional Statement - if Statement, if else Statement, Nesting of if....else Statement, else if Ladder, The ?: Operator, switch Statement. Iteration Statements - for Loop, while Loop, do-while Loop. Jump Statements: break, continue, goto, exit(). Arrays - Concept of Single and Multi Dimensional Arrays Strings: Declaration, Initialization, Functions .

UNIT – IV

The Need of C Functions, User Defined and Library Function, Prototype of Functions, Prototype of main() Function, Calling of Functions, Function Arguments, Argument Passing: Call By Value and Call By Reference, Return Values. Nesting of Function, Recursion, Array as Function Argument, Command Line Arguments, Storage Class Specifier - Auto, Extern, Static, Register.

UNIT - V

Defining Structure, Declaration of Structure Variable, Type def, Accessing Structure Members, Nested Structures, Array of Structure, Structure Assignment, Structure as Function Argument, Function that Return Structure, Union.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Third Semester

हिन्दी भाषा और संवेदना

Syllabus

इकाई–1

1. आचरण की सभ्यता : सरदार पूर्ण सिंह
2. जवानी (काव्य) : श्री माखनलाल चतुर्वेदी
3. विज्ञान – परिभाषा, शाखाएँ, संक्षिप्त इतिहास
4. सपनों की उड़ान : ए.पी.जे. अब्दुल कलाम
5. प्रमुख वैज्ञानिक आविष्कार और हमारा जीवन
6. त्रुटि संशोधन

इकाई–2

1. शिरीष के फूल (निबंध) : आचार्य हजारी प्रसाद द्विवेदी
2. विकास का भारतीय मॉडल : धर्मपाल
3. निबंध लेखन की कला
4. संधि–समास : संरचना और प्रकार
5. निराला (संस्मरण) : महादेवी वर्मा

इकाई–3

1. मांडव (यात्रा वृत्तांत) – पं. रामनारायण उपाध्याय
2. हिन्दी भाषा का मानकीकरण
3. भारतीय कृषि
4. जीवन : उद्‌भव और विकास
5. जनजातीय जीवन
6. उसने कहा था (कहानी) : श्री चन्द्रधर शर्मा 'गुलेरी'

इकाई–4

1. महाजनी सभ्यता (निबंध) : पेमचन्द
2. मुहावरे और लोकोक्तियाँ
3. सौर मण्डल
4. ब्रह्माण्ड और जीवन
5. शिकागो (व्याख्यान) : स्वामी विवेकानंद
6. संक्षिप्तियां

इकाई–5

1. मध्यप्रदेश के पर्यटन स्थल
2. फिल्टर तो चाहिए ही – डॉ. देवेन्द्र दीपक
3. भारतीय वनस्पतियाँ और जीव
4. पर्यावरण
5. भोलाराम का जीव (व्यंग्य) : हरिशंकर परसाई
6. आँगन का पंछी : विद्यानिवास मिश्र

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Third Semester

ENVIRONMENTAL STUDIES-I

Syllabus

UNIT : 1

Study of Environmental and ecology:

(a) Definition and Importance.

(b) Environmental Pollution and problems.

(c) Public participation and Public awareness.

UNIT : 2

Environmental Pollution:

(a) Air, water, noise, heat and nuclear pollution.

(b) Causes, effect and prevention of pollution.

(c) Disaster management – Flood, Earthquake, cyclones and landslides.

UNIT : 3

Environment and social problems:

(a) Development – non-sustainable to Sustainable.

(b) Energy problems of cities.

(c) Water preservation – rain-water collection.

UNIT : 4

Role of mankind in conserving natural resources :

(a) Food resources – World food problem.

(b) Energy resources – increasing demand for energy.

(c) Land resources – Land as resources.

UNIT : 5

Environment conservation laws:

(a) Conservation laws for air and water pollution.

(b) Wildlife conservation laws.

(c) Role of information technology in protecting environment & health.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Third Semester

CALCULUS, DIFFERENTIAL EQUATION AND MECHANICS

Syllabus

UNIT : 1

Definition of a sequence. Theorems on limits of sequences. Bounded and monotonic sequences. Cauchy's convergence criterion . Series of non-negative term s. Comparison test, Cauchy's integral test, Ratio test. Raabe's test ,logarithmic test. Leibnitz's theorem . Absolute and conditional convergence.

UNIT : 2

Continuity of functions of one variable , sequential continuity. Properties of continuous functions. Uniform continuity. Chain rule of differentiability . Mean value theorems and their geometrical interpretations. Darboux's intermediate value theor em for derivatives. Limit and continuity of functions of two variables.

UNIT : 3

Series Solution of Differential Equations-Power series Method, Bessel's Equation Bessel's function and its properties, recurrence and generating relations . Legendre's Equation, Legendre's function and its properties, recurrence and generating relations.

UNIT : 4

Laplace transformations, Linearity of the Laplace transformation, Existence theorem of Laplace transforms, Laplace transforms of derivatives and integrals. Shifting theorem . Differentiation and integration of transforms. Inverse Laplace transforms, Convolution theorem. Applications of Laplace transformation in solving linear differential equations with constant coefficients.

UNIT : 5

Analytical conditions of equilibrium of Coplanar forces. Catenary. Forces in three dimensions. Velocities and accelerations along Radial and transverse direction.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Third Semester

STATISTICAL INFERENCE AND DESIGN OF EXPERIMENTS

Syllabus

UNIT : 1

Theory of Estimation

Definition of a random Sample, Parameter and Statistic, Concepts of point and interval estimation, criterion of a good estimator. (Unbiasedness, Consistency, efficiency and sufficiency), Mean square error of an estimate .Method of maximum likelihood estimation. Cramer – Rao inequality and its applications in confidence interval.

UNIT : 2

Testing of Hypothesis

Test of Significance, Null and alternative hypothesis, Simple and composite hypothesis. Type I and II error, Critical region and level of significance. One and two taile test, Neymann Pearson lemma for construction of most powerful tests for simple null versus simple alternative for the parameters of Binomial Poisson and Normal distributions. Likelihood ratio test for single proportion. Test of significance for single mean.

UNIT : 3

Non Parametric Tests

Definition of order statistics, distributions of single, joint and marginal density function. Advantages and disadvantage of non-parametric methods. Run test for randomness, sign test for univariate and bivariate distribution, Wilcoxon signed ranked test for univariate and bivariate distribution, Wilcoxon-Whitney test, WaldWolfwitz run test, Median test.

UNIT : 4

Analysis of Variance

Definition of different terms, one-way classification and two-way classification with one observation per cell and two-way classification with m observation per cell (for fixed effect model) Fundamental principle of design. Randomization, Replication and local control.

UNIT : 5

Basic Designs

Layout and analysis of completely randomized design, randomized block design(R.B.D), estimation and analysis of one missing observation in R.B.D., efficiency of RBD relative of CRD, Latin Square design. Estimation and analysis of one missing observation in LSD. Factorial design 22 and 23 designs, main and interaction effects.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Third Semester

DATA STRUCTURE USING C AND OPERATING SYSTEM

Syllabus

UNIT : 1

Introduction to Data Structures: Information and Meaning, Binary and Decimal Integers, Real Numbers, Character Strings, Hardware and Software, concept of Implementation, Example, Abstract Data Types, Sequences as Value Definitions, ADT for Varying-length Character Strings. Data Types in C, Pointers in C, Data Structures and C, Exercises, Arrays in C, The Array as an ADT, Using One-Dimensional Arrays, Implementing One-Dimensional Arrays, Arrays as Parameters, Character Strings in C, Character String Operations, Two-Dimensional Arrays, Multidimensional Arrays.

UNIT : 2

The Stack : Definition and Examples, Primitive Operations, Example, The Stock as an Abstract Data Type, Exercises, Representing Stacks in C, Implementing the pop Operation, Testing for Exceptional Conditions, Implementing the Push Operation, Infix, Postfix, and Prefix , Basic Definitions and Examples, Evaluating a Postfix Expression, Program to Evaluate a Postfix Expression, Limitations of the Program, Queues and Lists, The Queue and Its Sequential Representation, The Queue as an Abstract Data Type, C Implementation of Queues, insert Operation, Priority Queue, Array Implementation of a Priority Queue, Exercises, Linked Lists, Inserting and Removing Nodes from a List, Linked Implementation of Stacks, getnode and free node Operations, Linked Implementation of Queues, Linked List as a Data Structure, Examples of List Operations, List Implementation of Priority Queues, Header Nodes, Exercises, Lists in C, Array Implementation of Lists, Limitations of the Array Implementation, Allocating and Freeing Dynamic Variables, Linked Lists Using Dynamic Variables, Queues as Lists in, Examples of List Operations in C, Noninteger and Nonhomogeneous Lists, Comparing the Dynamic and Array Implementations of Lists, Implementing Header Nodes, Exercises, Example: Simulation Using Linked Lists, Simulation Process, Data Structures, Simulation Program, Exercises, Other List Structures , Circular Lists ,Stack as a Circular List, Queue as a Circular List, Primitive Operations on Circular Lists, The Josephus Problem, Header Nodes, Addition of Long Positive Integers Using Circular Lists, Doubly Linked Lists, Addition of Long Integers Using Doubly Linked Lists.

UNIT : 3

Trees: Binary Trees, Operations on Binary Trees, Applications of Binary Trees, Exercises, Binary Tree Representations, Node representation of Binary Trees, Internal and External Nodes, Implicit Array Representation of Binary Trees, Choosing a Binary Tree Representation, Binary Tree Traversals in C, Threaded Binary Trees, Traversal Using a father Field, Heterogeneous Binary Trees, Exercises, Example: The Huffman Algorithm, The Huffman Algorithm, C Program, Exercises, Representing Lists as Binary Trees, Finding the kth Element, Deleting an Element,

Implementing Tree-Represented Lists in C, Constructing a Tree-Represented List, The Josephus Problem Revisited, Exercises, Trees and Their Applications, C Representations of Trees, Tree Traversals, General Expressions as Trees, Evaluating an Expression Tree , Constructing a Tree, Exercises, Example: Game Trees.

Sorting : General Background, Efficiency Consideration, Notation, Efficiency of Sorting, Exercises, Exchange Sorts, Bubble Sort, Quick sort, Efficiency of Quick sort, Exercises, Selection and Tree Sorting,

Straight Selection Sort, Binary Tree Sorts, Heap sort, Heap as a Priority Queue, Sorting Using a Heap, Heap sort Procedure, Exercises, Insertion Sorts, Simple Insertion, Shell Sort, Address Calculation Sort, Exercises, Merge and Radix Sorts, Merge
Sorts, The Cook-Kim Algorithm, Radix Sort.

UNIT : 4

Graphs and Their Applications, Applications of Graphs, C Representation of Graphs, Transitive Closure, Warshall's Algorithm, Shortest-Path Algorithm, Exercises, A Flow Problem, Improving a Flow Function, Example, Algorithm and Program, Exercises,
Linked Representation of Graphs, Dijkstra's Algorithm Revisited, Organizing the set of Graph Nodes, Application to Scheduling, C Program, Exercises, Graph Traversal and Spanning Forests, Traversal Methods for Graphs, Spanning Forests, Undirected Graphs and Their Traversals, Depth-First Traversal, Applications of Depth-First Traversal, Efficiency of Depth-First Traversal, Breadth-First Traversal, Minimum Spanning Trees.
Introduction to Operating Systems: What is an Operating System? Evolution of Operating Systems, Operating System Structure, Different Views of the Operating System, Design and Implementation of Operating Systems. The Concept of Process :Process, Implicit and Explicit Tasking, Process Relationship, Process State, Process. Control Block, Process Scheduling, Context Switch, Operations on Process, Operating-System Services for Process Management, Threads, Interprocess Communication.

UNIT : 5

CPU Scheduling : Basic Concepts, CPU-I/O Burst Cycle, Scheduling, Types of Schedulers, Dispatcher, Scheduling Criteria, Multiple -level Scheduling, Real-Time Scheduling, Algorithm Evaluation, Process Synchronization : The Critical-section Problem, Synchronization Hardware, Semaphores, Classical Problems of Synchronization, Critical Region, Monitors, Atomic Transactions. Deadlocks: System Model, Deadlock Characterization, Methods For Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Dead lock Detection, Recovery from Deadlock, Memory Management : Background, Logical Versus Physical Address Space, Swapping, Contiguous Allocation, Paging, Segmentation, Virtual Memory: Background, Demand Paging, Performance of Demand Paging, Page Replacement, Page Replacement Algorithms.

File Systems: Files, Directories, File System Implementation, Security and Protection: Security Threats and Goals, Penetration Attempts, Security Policies and Mechani Sms, Authentication, Protection and Access control, Cryptography. Multiprocessor Systems: Background, Motivation and Classification, Multiprocessor Interconnections, Types of Multiprocessor Operating Systems, Multiprocessor OS Functions and Requirements, Introduction to Parallel Programming, Multiprocessor Synchronization, Network Structures: Background,
Motivation, Topology, Network Types.
Distributed System Structure : Background, Motivation, Topology, Network Types, Communication, Design Strategies, Distributed File Systems : Background, Naming and Transparency, Remote File Access, File Replication, Distributed Coordination : Event Ordering, Mutual Exclusion, Atomicity, Deadlock Handling, Performance Measurement, Monitoring and Evaluation, Background, Need for Performance Monitoring and Evaluation, Performance Measures, Performance Evaluation Techniques Bottlenecks and Saturation

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Fourth Semester

ENGLISH LANGUAGE AND SCIENTIFIC TEMPER

Syllabus

UNIT -I

1. Tina Morris: Tree
2. Nissim Ezekiel: Night of the Scorpion
3. C. P. Snow: Ramanujan
4. Roger Rosenblatt: The Power of WE
5. George Orwell: What is Science?
6. C. Rajagopalachari: Three Questions
7. Desmond Morris: A short extract from The Naked Ape
8. A. G. Gardiner: On The Rule of the Road

UNIT- II

Comprehension of an unseen passage

UNIT -III

Letter Writing: Formal Letters, Informal letters, Applications

UNIT- IV

Report Writing

UNIT -V

Language Skills:

Correction of common errors in sentence structure: usage of pronouns, subject/verb agreement, word order, gender; compound nouns, collective nouns, possessives, articles and prepositions(advanced)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Fourth Semester

ENVIRONMENTAL STUDIES – II

Syllabus

UNIT -I

Problem of natural resources

(a) Problem of water resources – Utilization of surface and ground water, over utilization, flood, drought, conflicts over water, dams-benefits and problem.

(b) Problems of forest resources – uses and over utilization, deforestation, utilization of timber, dams and its effect on forests and tribes.

(c) Problems of land resources – Land as a source, erosion of land, maninduced landslides and desertification.

UNIT -II

Bio-diversity and its protection –

(a) Value of bio-diversity – Consumable use: Productive use, Social, alternative, moral aesthetic and values.

(b) India as a nation of bio-diversity and multi-diversity at global, national and local levels.

(c) Threats to bio-diversity – Loss of habitat, poaching of wildlife, manwildlife conflicts.

UNIT- III

Human Population and Environment

(a) Population growth, disparities between countries.

(b) Population explosion, family welfare Programme.

(c) Environment and human health.

UNIT -IV

Multidisciplinary nature of environmental studies:

(a) Natural resources

(b) Social problems and the environment

(c) Eco system.

UNIT -V

Environmental Wealth:

(a) Rivers, ponds, fields and hills.

(b) Rural, Industrial, Agricultural fields.

(c) Study of common plants, insects and birds.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Fourth Semester

Advanced Calculus, Partial Differential Equations, Complex Analysis And Abstract Algebra

Syllabus

UNIT : 1

Partial differentiation. Change of variables. Euler's Theorem on homogeneous function, Taylor's theorem for functions of two variables. Jacobians, Envelopes, Evolutes.

UNIT : 2

Maxima, minima and saddle points of functions of two variables. Beta and Gamma functions. Double and triple integrals. Dirichlet's integrals.

UNIT : 3

Partial Differential equations of the first order. Lagrange's solution. Some special types of equations which can be solved easily by methods other than general methods. Charpit's general method of solution, Partial differential equations of second and higher orders. Homogeneous and non- Homogeneous equations with constant coefficients. Partial differential equations reducible to equations with constant coefficients.

UNIT : 4

Complex numbers as ordered pairs. Geometric representation of Complex numbers, Continuity and differentiability of Complex functions. Analytical function, Cauchy Riemann equation, Harmonic function, Mobius transformations, fixed point, cross ratio.

UNIT : 5

Group-Automorphisms, inner automorphism. Group of Automorphism, Conjugacy relation and centraliser. Normaliser. Counting principle and the class equation of a finite group. Cauchy's theorem for finite abelian groups and non abelian groups. Ring homomorphism. Ideals and Quotient Rings.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Fourth Semester

SAMPLING THEORY AND SAMPLING DISTRIBUTION

Syllabus

UNIT - I

Sample Survey: Concepts of population and sample, needs of sampling, steps in a sample survey, principles of sample survey, sampling and non-sampling errors, requirements of a good sample, complete census v/s sample survey. Limitations of sampling. Simple Random Sampling : Simple random sampling with & without replacement. Definition of simple random sampling, Unbiasedness of the sample mean, mean square error of the sample mean, merits, demerits and limitations of simple random sampling, simple random sampling by attributes.

UNIT – II

Stratified Random Sampling: Definition and advantages of stratified random sampling, proportional allocation, optimum allocation, cost function, comparison of stratified random sampling with simple random sampling without stratification, proportional allocation versus simple random sampling, Neyman allocation versus saimple random sampling.

Systematic Sampling: Definition, circular systematic sampling, mean and variance of a systematic sample mean, comparison of systematic sampling to simple random sampling, systematic sampling versus stratified random sampling, stratified random sampling to simple random sampling for a population with linear trend, merits and demerit of systematic sampling.

UNIT - III

Ratio Method of Estimation: Definition, expected value of ratio estimate for first approximation under simple random sampling without replacement, variance of ratio estimate for first approximation under simple random sampling without replacement.

Regression Method of Estimation: Definition, simple regression estimate expected value of regression estimate for first approximation under simple random sampling without replacement, variance of regression for first approximation under simple random sampling without replacement.

UNIT - IV

Sampling Distribution : Sampling distribution of a statistic, definition of standard error and some examples. Sampling distribution of sum of binomial and Poisson variates. Sampling distribution of mean of normal distribution. Derivation of student's t, Fisher's t, F and Chi-Square distribution with their properties.

UNIT - V

Large Sample Tests: Test of significance for single proportion, difference of proportion, test of significance for single mean and for differences of mean. Small Sample Tests: t - test for single mean, t – test for difference of means, paired t test, F-test for equality of population variance. Conditions for the validity of chi-square test, test for goodness of fit, test for independence of attributes (2X2 Contingency table). Fisher's Z-transformation and their applications.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Fourth Semester
Software Engineering and DBMS
Syllabus

UNIT : 1

Introduction to Software and Software Engineering: The Origin of Software Engineering, Characteristics of Software Engineering, Software Crisis. Software Engineering: Models: Life Cycle Model, Spiral Model, Models of the Software Process. Software Engineering Methodologies: Software Process, Software Metrics, Configuration Management Issues: Organizing the Process.

UNIT : 2

Software Requirement Analysis and Specification: Requirements Definition, Nonfunctional Requirements Definition, Formal Specification, Algebraic Specification, Model-based Specification, Z Schemas, Specification using Functions, Specification using Sequences, Validation, The Prototyping Process, Prototyping Techniques.

UNIT : 3

Principles of Software Project Management: Principles of Software Project Management, Principles or Laws of Project Management, Software Project and Personnel Planning, Cost Estimation of Building a System, Software Metrics, The Project Plan, Resource Tracking and Stimulation Example, Quality Assurance Planning, Risk Analysis. DBMS: An Introduction : Data Base Management System-Basic Concepts, Data and Database, Database System:Concept and Meaning, Disadvantages of File Systems, Advantage of Database Approach, Disadvantages of Using a DBMS, Database Languages, Database Administrator, Database Designers, Database Users. Database Manager, Data Base Management System-Architectures and Features, Data Abstraction, DBMS Architecture, Data Independence, System Architecture, Data Model.

UNIT : 4

Entity Relationship Model : Entities and Relations: Entities and Entity Sets, Attributes, Relationships, Design Choice, Key, ER-diagram, The Entity Relationship Diagram, Types of Attributes, Role, Attribute of Relationships, Participation, Cardinality Constraints, Multiple Relationships, Keys, Weak Entity Sets, EER- model, Specialization and Generalization, Constraints on Specialization and Generalization, Aggregation, Simplification, Constraints beyond the ER Model. Relational Data Model: Relations: What is Relation?, Different Features of a Relation, Relation Scheme, Constraints, Entity Integrity Constraints, Referential Integrity, Relational Algebra-I, Operands of Relational Algebra, The Selection Operator, The Projection Operator, Union, Intersection and Set- Difference, Cartesian Product, The Renaming Operator, Completeness of Relational Algebra, Relational Algebra-II, The Join Operator, Division Operator, Database /V10dification, Relational Operations are Closed, Outer Join, Generalized Projections, Aggregate Functions, Implementing Relational Algebra Operations.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

UNIT : 5

Relational Database Design : Functional Dependencies, Anomalies in Databases, Functional Dependencies, Inference Rules fur FDs, Attribute Closure, Normal Forms, First Normal Form, Second Normal Form, Third Normal Form, Boyce-Codd Normal Form, Decomposition and Other Dependencies, Attribute Preservation, Loss-Less Join Decomposition, Dependency Preservation, Multi-Valued Dependency, Join Dependencies, The Process of Normalization.

SQL: A Query Language : Data Definition With SQL, SQL Schema Definition, Table Definition, Column Definition, Data Types in SQL, Domain Definition, Table Constraints, Modification, Catalog, Basic SQL Queries, Basic SQL Query, Union, Intersect, Nested Queries, Aggregate Operators, GROUP BY and HAVING Clause, Joined Relations, Joined Conditions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)-Fifth Semester

भाषा कौशल एवं संचार साधन

(Syllabus)

इकाई–1

1. भारतीय संस्कृति
2. भारतीय समाज व्यवस्था
3. सभ्यता एवं संस्कार
4. वैश्विक चेतना
5. समन्वयीकरण (भारतीय एवं अंतर्राष्ट्रीय संदर्भ में)

इकाई–2

1. धर्म
2. न्याय
3. दर्शन
4. नीति
5. साहित्य

इकाई–3

1. संचार संसाधन : सम्पर्क के नए क्षितिज
2. समाचार पत्र
3. भारतीय प्रेस परिषद्
4. रेडियो
5. दूरदर्शन

इकाई–4

1. सिनेमा
2. रंगमंच
3. संगीत
4. चित्रमूर्ति, स्थापत्य कला
5. शिल्प कला

इकाई–5

1. कम्प्यूटर
2. दूरभाष : विज्ञान की सौगात
3. मंत्र (कहानी) : प्रेमचंद
4. मातृभूमि (कविता) : मैथिलीशरण गुप्त
5. साहित्यकार का दायित्व : डॉ. प्रेम भारती

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Fifth Semester

BASIC COMPUTER INFORMATION TECHNOLOGY – I

Syllabus

UNIT -I

INTRODUCTION TO COMPUTER ORGANIZATION –I: History of development of Computer system concepts. Characteristics, Capability and limitations. Generation of computer. Types of PC's Desktop. Laptop, Notebook. Workstation & their Characteristics.

UNIT- II

INTRODUCTION TO COMPUTER ORGANIZATION –II : Basic components of a computer system Control Unit, ALU. Input/ Output function and Characteristics, memory RAM, ROM, EPROM, PROM.

UNIT -III

INPUT & OUTPUT DEVICES : Input Devices : Keyboard, Mouse, Trackball. Joystick, Digitizing tablet, Scanners, Digital Camera, MICR, OCR, OMR, Bar-code Reader, Voice Recognition, Light pen, Touch Screen. Output Devices: Monitors Characteristics and types of monitor, Video Standard VGA, SVGA, XGA, LCD Screen etc. Printer, Daisy wheel, Dot Matrix, Inkjet, Laser, Line Printer. Plotter, Sound Card and Speakers.

UNIT- IV

STORAGE DEVICES : Storage fundamental primary Vs Secondary. Various Storage Devices magnetic Tape. Cartridge Tape, Data Drives, Hard Drives, Floppy Disks, CD, VCD, CD-R, CD-RW, Zip Drive, DVD, DVD-RW.

UNIT -V

INTRODUCTION TO OPERATING SYSTEM : Introduction to operating systems, its functioning and types. basic commands of dos & Windows operating System. Disk Operating System (DOS). Introduction, History and Versions of DOS. DOS Basics .Physical Structure of disk, Drive name, FAT, file & directory structure and naming rules, booting process, DOS system files.

DOS Commands :

- Internal DIR, MD, CD, RD, Copy, DEL, REN, VOL, DATE, TIME, CLS, PATH, TYPE etc.
- External CHKDSK, SCOPE, PRINT DISKCOPY, DOSKEY, TREE, MOVE, LABEL, APPEND, FORMAT, SORT, FDISK, BACKUP, MODE, ATTRIB HELP, SYS etc.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Fifth Semester

REAL ANALYSIS, LINEAR ALGEBRA AND DISCRETE MATHEMATICS

Syllabus

UNIT : 1

Riemann integral, Integrability of continuous and monotonic functions, The fundamental theorem of integral calculus, Mean value theorems of integral calculus, Partial derivatives and differentiability of real-valued functions of two variables.

UNIT : 2

Schwarz and Young's theorem, Implicit function theorem, Fourier series of half and full intervals, Improper integrals and their convergence, Comparison test, Abel's and Dirichlet's tests, Frullani's integral, Integral as a function of a parameter.

UNIT : 3

Definition and examples of vector spaces, subspaces, Sum and direct sum of subspaces. Linear span, Linear dependence, independence and their basic properties. Basis, Finite dimensional vector spaces, Existence theorem for basis, Invariance of the number of elements of a basis set, Dimension, Dimensionof sums of vector subspaces.

UNIT : 4

Linear transformations and their representation as matrices, The Algebra of linear transformations, The rank- nullity theorem, Eigen values and eigen vectors of a linear transformation, Diagonalisation. Quotient space and its dimension.

UNIT : 5

Binary Relations, Equivalence Relations, Partitions and Partial Order Relation. Graphs, Multigraphs, Weighted Graphs, Paths and Circuits, Shortest Paths. Trees and their properties.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Fifth Semester

APPLIED STATISTICS

Syllabus

UNIT : 1

Demographic Methods: Sources of demographic data, census, registration, adhoc surveys, hospital records, demographic profiles of the Indian census. Measurement of Mortality: Crude death rate, Standardized death rates, Age specific death rates, Infant Mortality rate, Death rate by cause.

UNIT : 2

Complete life table and its main component, Uses of life table, Measurement of Fertility: Crude birth rate, general fertility rate, age specific birth rate, total fertility rate, gross reproduction rate, (GRR) net reproduction rate.(NRR).

UNIT : 3

Index Numbers: Price relatives and quantity or volume relatives, Problems in constructing Index numbers, Link and chain relatives composition of index numbers: Laspeyre's, Paasche's, Marshal Edgeworth's and Fisher's index numbers; chain base index number, tests for index number, cost of living index number.

UNIT : 4

Components of time series, mathematical models for time series, Uses of time series, measurement of trends – Graphical method, Method of semi average, Method of moving average, Methods of least squares.

UNIT : 5

Growth curve and their fitting. Measurement of seasonal variation – method of simple average, ratio totrend method, link relative method, ratio to movingaverage method, Measurement of cyclic variations, Measurement of irregular variation – Variate difference method.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Fifth Semester

PROGRAMMING IN VISUAL BASIC AND INTRODUCTION TO WEB DESIGN

Syllabus

UNIT : 1

Visual Basic at a Glance: Program Design and Implementation, Introduction to Visual Basic, Hardware and Software Requirements of Visual Basic, Terms Often used in Visual Basic, Programming in Visual Basic, Editing and Writing Code in the Code Window, Programming an Application, The Integrated Development Environment: The Visual Basic, Toolbars, Customizing a Toolbar, Menu Bars, The Project Explorer, The Properties Window, The Code Window, The Form Window, The Debug Windows, The Toolbox Window Adding/Removing Custom Controls to the Toolbox, Organizing the Toolbox, Using the Application Wizard, Resource Files, Projects, Form Files, Creating a New Project, Saving the Project, Creating a Project Group.

The Language Reference: Knowing Visual Basic, Summary of Data Types, Variables, Deftype Statements, User Defined Data Types, Constants, Operators, Control Flow Statements, With-End with Statements, Arrays, Error Handling, Debugging and Sorting Techniques: Possibilities of Errors, Using Coding Conventions and Putting Comments, Debugging, Handling Errors, Exit Statements, List of Some Trappable Errors, Sorting Techniques, Implementing Algorithms.

UNIT : 2

Object Oriented & Event Driven Programming in Visual Basic: Object Oriented Programming, Objects and Classes, Few Terms Used in OOP, Object Linking and Embedding (OLE), Component Object Model, Creating Object Variables, Creating Control Arrays, Detecting Controls Forms and Menus: Form's Basics, Important Properties of Forms, Forms Collection Controlling One Form Within Another - MDI, Using an MDI Form, Menus and the Menu Editor, Pop-Up Menus, Example on Using Pop-Up Menus.

Dialog Boxes: Displaying, Dialogs Creating a Modal Dialog Box The Message Box, Common Dialog Boxes, The Input Box.

Using Basic Controls: Basic Controls, Introducing Label Control, The Text Box Control, The List Box and Combo Box Controls, Radio Buttons and Check Boxes, Scroll Bars, Example Using Option Buttons, Check Boxes and Scroll Bars, Timer Control Running Lights Application, Creating a Flying-Message Application, Image Control.

UNIT : 3

Using Enhanced Controls: The Directory List Box, The Drive List Box, The File List Box, Copying and Searching Files, The Rich Text Box Control, Creating a Preview Document Application, The Key State Control, The Status Bar Control, Progress Bar Control, Slider Control.

New ActiveX Controls: ActiveX Controls, Image List Control, The Toolbar Control, The Coolbar Control, Image Combo Control, The Month View Control, The List View Control, Example Using List View Control, Tree View Control, Example Using Tree View Control, Microsoft Masked Edit Controls, _tScrollBar Control, The Date Time Picker Control.

UNIT : 4

Introduction to www, what is www, Introduction to website, website structure, Uniform resource locator, home page Browser, uses of web site, Web site hosting, Registration process of domain name languages of web.

HTML-Creating HTML Documents, Title and Headings, Paragraphs Linking to other Documents Relative Links versus Absolute Pathnames Links to Specific Sections in Documents Unnumbered Lists Numbered Lists Definition Lists Nested Lists Preformatted Text ,Text Tags Animated GIF Images Image Alignment Using an Image as Hypertext Link Embedding sound and video Frames.

UNIT : 5

JavaScript Introduction JavaScript Basics What We Can Do with JavaScript Embedding JavaScript in HTML Functions Using the JavaScript Console Using JavaScript Objects.

Window Methods Handling Events Using the Status Bar Validating Form Input Using Windows and Frames Creating a Frame Using JavaScript URLs javaScript examples(programs).

Active Server Pages (ASP) Introduction to ASP technologies Asp objects ActiveX components Vbscript Vbscript functions Working with databases HTTP status codes error codes Example of asp program.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Sixth Semester

ENGLISH LANGUAGE AND ASPECTS OF DEVELOPMENT

Syllabus

UNIT -I

1. William Wordsworth : "The World is Too Much With Us"
2. K. Aludiapillai : "Communication Education and Information Technology"
3. "Democratic Decentralisation"
4. S. C. Dubey : "Basic Quality of Life"
5. Sister Nivedita : "The Judgment Seat of Vikramaditya"
6. Juliun Huxley : "War as a Biological Phenomenon"
7. Robert Frost : "Stopping by Woods on a Snowy Evening"
8. Ruskin Bond : "The Cherry Tree"

UNIT -II

Short Essay Writing.

UNIT- III

Translation of a short passage from Hindi to English

UNIT- IV

Drafting CV, writing e-mail message for official purpose

UNIT V

Language Skills

One-word substitution, homonyms, homophones, words that confuse, Punctuation, Idioms.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Sixth Semester

BASIC COMPUTER INFORMATION TECHNOLOGY –II

Syllabus

UNIT- I

Word Processing: Word

- Introduction to word Processing.
- MS Word: features, Creating, Saving and Operating Multi document windows, Editing Text selecting, Inserting, deleting moving text.
- Previewing documents, Printing document to file page. Reduce the number of pages by one.
- Formatting Documents: paragraph formats, aligning Text and Paragraph, Borders and shading, Headers and Footers, Multiple Columns.

UNIT- II

Introduction to Excel

Excel & Worksheet :

- Worksheet basic.
- Creating worksheet, entering data into worksheet, heading information, data text, dates, Alphanumeric, values, saving & quitting worksheet.
- Opening and moving around in an existing worksheet.
- Toolbars and Menus, keyboard shortcuts.
- Working with single and multiple workbook coping, renaming, moving, adding and deleting. coping entries and moving between workbooks.
- Working with formulas & cell referencing.
- Autosum.
- Coping formulas
- Absolute & Relative addressing.

UNIT –III

Introduction to Power Point

- Features and various versions.
- Creating presentation using Slide master and template in various colour scheme.
- Working with slides makes new slide move, copy, delete, duplicate, lay outing of slide, zoom in or out of a slide.
- Editing and formatting text: Alignment, editing, inserting, deleting, selecting, formatting of text, find and replace text.

UNIT -IV

- POWER POINT – II
- Bullets , footer, paragraph formatting, spell checking.
- Printing presentation Print slides, notes, handouts and outlines.
- Inserting objects Drawing and Inserting objects using Clip Arts picture and charts.
- Slide sorter, slide transition effect and animation effects. Presenting the show making stand alone presentation, Pack and go wizards.

UNIT -V

Evolution, Protocol, concept, Internet, Dial-up connectivity, leased line, VSAT, Broad band, URLs, Domain names, Portals. E-mail, Pop & web based Email. Basic of sending and receiving Emails, Email & Internet Ethics, Computer virus, Antivirus software wage, Web Browers.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Sixth Semester

METRIC SPACES, NUMERICAL ANALYSIS AND ELEMENTARY STATISTICS

Syllabus

UNIT : 1

Definition and examples of metric spaces. Neighbourhoods. Limit points. Interior points. Open and closed sets.Closure and interior. Boundary points. Subspace of a metric space. Cauchy sequences. Completeness, Cantor'sintersection theorem, Contraction principle. Real numbers as a complete ordered field. Dense subsets. Baire Category theorem. Separable, first and second countable spaces.

UNIT : 2

Continuous functions. Extension theorem. Uniform continuity. Compactness, Sequential compactness. Totally bounded spaces, Finite intersection property. Continuous functions and compact sets. Connectedness

UNIT : 3

Solution of Equations: Bisection. Secant, Regula Falsi. Newton, Method. Roots of second degree Polynomials, Interpolation, Lagrange interpolation, Divided Differences, Interpolation formulae using Differences, Numerical Quadrature, Newton-Cote's Formulae, Gauss Quadrature Formulae.

UNIT : 4

Linear Equations: Direct Methods for Solving Systems of Linear Equations (Guass elimination, LU Decomposition. Cholesky Decomposition), Iterative methods (Jacobi. Gauss - Seidel Reduction Methods). Ordinary Differential Equations: Euler Method, Singlestep Methods, Runge-Kutta's Method, Multi-step Methods, Milne-Simpson Method. Methods Based on Numerical Integration, Methods Based on numerical Differentiation.

UNIT : 5

Measures of dispersion-range, inter quartile range, Mean deviation, Standard deviation, moments, skewness and kurtosis. Probability, Continuous probability, probability density function and its applications (for finding the mean, mode, median and standard deviation of various continuous probability distributions) Mathematical expectation, expectation of sum and product of random variables. Theoretical distribution- binomial, Poisson distributions and their properties and use, Moment generating functions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Sixth Semester
SQC and Numerical Methods
Syllabus

UNIT : 1

General theory of control charts, causes of variation, process and product control, 3_ – control limits, Control charts for variables – X and R chart, Critenon for detecting lack of control in X and R charts. Control chart for attributes – p, np and C chart, applications of c chart.

UNIT : 2

Principles of acceptance sampling, definition of AQL, LTPD, Producer's risk, consumer's risk, AOQL, LTPD, ASN, ATI and OC curve. Single and double sampling plans for attributes and variables.

UNIT : 3

Finite differences of different operators, _ and E operators, factorial representation of a polynomial, differences of zero. Binomial expansion, Concept of interpolation and extrapolation: Newton Gregory's forward and backward interpolation formulae for equal intervals.

UNIT : 4

Divided differences and their properties, Newton's formula for divided difference, Lagranges formula for unequal intervals, Numerical Quadrature : trapezoidal rule, Simpson's 1/3 (onethird) and 3/8 (three-eight) rules

UNIT : 5

Numerical differentiation, Numerical solutions of differential equations: Euler's method and Runge-Kutta method. Numerical solutions of polynomials – Newton Raphson and Regula falsi methods, Solutions of simultaneous equations – Gauss elimination and Gauss Seidal methods.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSc(CS)- Sixth Semester

FUNDAMENTALS OF COMPUTER NETWORK AND JAVA PROGRAMMING

Syllabus

UNIT : 1

Essentials of Networking:

Essentials of Networking (H/W, S/W), USES OF COMPUTER NETWORKS, Business Applications, Home Applications, Mobile Users, Social Issues, NETWORK HARDWARE, Local Area Networks, Metropolitan Area Networks, Wide Area Networks, Wireless Networks, Home Networks, Internet works, NETWORK SOFTWARE, Protocol Hierarchies, Design Issues for the Layers, Connection-Oriented and Connectionless Services, Service Primitives, The Relationship of Services to Protocols.

REFERENCE MODELS, The OSI Reference Model, The TCP/IP Reference Model, A Comparison of the OSI and TCP/IP Reference Models, A Critique of the OSI Model and Protocols, A Critique of the TCP/IP Reference Model, EXAMPLE NETWORKS , The Internet, Connection-Oriented Networks: X.25, Frame Relay, and ATM, Ethernet, Wireless LANs: 802.11, NETWORK STANDARDIZATION, Who's Who in the Telecommunications World, Who's Who in the International Standards World, Who's Who in the Internet Standards World.

UNIT : 2

THE PHYSICAL LAYER : THE THEORETICAL BASIS FOR DATA COMMUNICATION, Fourier Analysis, Bandwidth-Limited Signals, The Maximum Data Rate of a Channel, GUIDED TRANSMISSION MEDIA, Magnetic Media, Twisted Pair, Coaxial Cable, Fiber Optics, WIRELESS TRANSMISSION, The Electromagnetic Spectrum., Radio

Transmission, Microwave Transmission, Infrared and Millimeter Waves, Light wave Transmission, COMMUNICATION SATELLITES, Geostationary Satellites, Medium-Earth 0rbit Satellites, Low-Earth Orbit Satellites, Satellites versus Fiber.

THE NETWORK LAYER IN THE INTERNET, The IP Protocol, IP Addresses, Internet Control Protocols, OSPF- The Interior Gateway Routing Protocol, BGP- The Exterior Gateway Routing Protocol, Internet Multicasting, Mobile IP, IPv6.

UNIT : 3

NETWORK SECURITY :CRYPTOGRAPHY, Introduction to Cryptography, Substitution Ciphers, Transposition Ciphers, One-Time Fads, Two Fundamental Cryptographic principles, SYMMETRIC-KEY ALGORITHMS, DES-The Data Encryption Standard, AES-The Advanced Encryption Standard, Cipher Modes, Other Ciphers, Cryptanalysis, PUBLIC-KEY ALGORITHMS, RSA, Other Public-Key Algorithms, DIGITAL SIGNATURES, Symmetric-Key Signatures, Public-Key Signatures, Message Digests, The Birthday Attack.

The Genesis of Java, Introduction and Creation, Applets and Applications, Security, Bytecodes, Java Buzzwords, Simple, Multi-threaded, Architecture Neutral, Java and Java Script, New in JDK, An Overview of Java, What is an Object, Features of Object Oriented Programming, The First Simple Programme, Compiling, Data Types, Variables and Arrays, Data Types in Java, Literals, Characters, Variable Declaration, Symbolic Constants, Type Casting, Arrays, Vectors, Array Declaration Syntax, Operating in Java, Arithmetic Operators, Basic Assignment Operators, Relational Operators, Boolean Logical Operators, Ternary Operator, Operator Precedence, Control Statements, Java's Selection Statements, Switch, Nested Switch, Iteration Constructs, Continue, Return.

UNIT : 4

Class an Introduction, What is a Class, What are Methods, Methods and Classes in Details, Methods Overloading, Constructor Overloading, Objects as Parameters, Returning objects, Recursion, Access Control! Visibility, Understanding Static, Final, Nested and Inner Classes, The String Class, Command Line Arguments, Inheritance, Inheritance Basic, Member Access and Inheritance, Super Class Variable and Sub Class Object, Using Super to Call Superclass Constructors, Another Use of Super, Multilevel hierarchy, Calling Constructor, Overriding Methods, Abstract Classes Method, Final and Inheritance, Object Class.

Interfaces and Packages, Defining Interface, What is a Package, Classpath Variable, access Protection, Important Packages, Exception Handling, Fundamentals of Exception Handling, Types of Exceptions, Uncaught Exceptions, Try and Catch Keywords, Throw, Throws and Finally, Nested Try Statements, Java Built in Exceptions, User Defined Exceptions. Multithreaded Programming, The Java Thread Model, Priorities, Synchronization, Messaging, Thread Class and Runnable Interface, Creation of Threads, Creating Multiple Threads, Synchronization and Deadlock, Suspending, Resuming and Stopping Threads.

UNIT : 5

Applets and Input Output, Input/Output Basics, Streams (Byte and Character), Reading From and writing to Console, Reading and Writing Files, Printwriter Class, Fundamentals Of Applets, Transient and Volatile Modifier, Strictfp, Native Methods, Problems with Native Methods, Handling Strings, String Length, Operations on Strings, Extract Character Methods, String Comparison Methods, Searching and Modifying, Data Conversion and Value of 0 Methods,

Changing Case of Characters, String Buffer, Exploring Java. Lang, Wrapper Classes and Simple Type Wrappers, Void, Abstract Process Class, Runtime Class and Memory Management, Other Programme Execution, System Class, Environment Properties, Using Clone 0 and Clonable 0 Interface, Class and Class loader, Math Class, Thread, Thread Group and Runnable Interface, Throwable Class, Security Manager, The java. lang.ref and java. lang. reflect packages, Java..Util-The Utility Classes, The Enumeration Interface, Vector, Stack, Dictionary, Hash table,

Properties, Using Store 0 and Load 0, String Tokenizer, Bit set Class, Date and Date Comparison, Time Zones, Random Class, Observe.

Input Output Classes, File in Java, Directory, FileName Filter Interface, Creating Directory, The Stream Classes, Input Stream and Output Stream, File inputStream and File Output Stream, Byte Array Input Stream and Byte Array Output Stream, Filtered Byte Stream, Buffered ByteStream, Print Stream, Random Access File, Stream Tokenizer, Stream Benefits, Networking, Basic of Networking, Proxy Server, Domain Naming Services, Networking Classes and Interfaces, InetAddress Class, TCP/IP Sockets, Datagram Packet, Networth, Applet Class, Applet Basics, Applet Life Cycle, A Simple Banner Applet, Handling Events, getDocumentBaseO, getCodeBaseO, showDocumentBaseO, Audio Clip and Applet Stub interface.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-First Year
Fundamentals of Maharishi Vedic Science
(Maharishi Vedic Science – I & II)
Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-First Year

व्यावसायिक समाजकार्य का उद्‌भव

Syllabus

इकाई–1

समाजकार्य की अवधारणा, परिभाषा, विशेषताएं, उद्‌देश्य मान्यताएं, समाजकार्य के प्रमुख मॉडल।

इकाई–2

भारत, अमेरिका एवं ब्रिटेन में समाजकार्य का इतिहास।

इकाई–3

समाजकार्य के क्षेत्र–बाल कल्याण, महिला सशक्तिकरण, विद्यालयीन समाज कार्य, अनुसूचित जाति, जनजाति एवं पिछड़े वर्गो का कल्याण। युवा, वृद्ध, श्रम एवं बाधितों का कल्याण, चिकित्सकीय एवं मनोचिकित्सकीय समाजकार्य।

इकाई–4

समाजकार्य दर्शन, समाजकार्य के मौलिक मूल्य एवं समाजकार्य के मूल प्रत्यय।

इकाई–5

समाजकार्य के अन्य प्रत्यय–समाजसेवा, सामाजिक कार्य, सामाजिक सेवाएं, समाजकल्याण, समाज सुधार एवं समाज शिक्षा।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-First Year

व्यावसायिक समाजकार्य दर्शन

Syllabus

इकाई–1

समाजकार्य व्यवसाय – अवधारणा, अर्थ, विशेषतांए एवं उद्देश्य।

इकाई–2

व्यावसायिक समाजकार्य के सिद्धान्त, समाज कार्यकर्ता हेतु आचार संहिता।

इकाई–3

समाज कार्य की विधियाँ एवं तकनीकियों का वर्णन एवं सामान्य प्रयोग।

इकाई–4

समाजकार्य एवं अन्य सामाजिक विज्ञान।

इकाई–5

समाजकार्य शिक्षा का इतिहास, आवश्यकता एवं महत्व।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-First Year

मानव समाज

Syllabus

इकाई – 1

समाज–अवधारणा, समाज की विशेषताएं, उदाहरण। मानव तथा पशु समाज, समाज तथा ''एक समाज'', ग्रामीण एवं नगरीय समाज।

इकाई – 2

व्यक्ति एवं समाज, सामाजीकरण–अवधारणा एवं अभिकरण।

इकाई – 3

सामाजिक प्रक्रिया–अर्थ, परिभाषाएं एवं विशेषताएं, सामाजिक प्रक्रियाओं के प्रकार।

इकाई – 4

सामाजिक परिवर्तन–अवधारणा, सामाजिक प्रगति एवं सामाजिक विकास,समुदाय, समिति एवं संस्था–परिभाषा, विशेषताएं, कार्य, महत्व तथा अन्तर।

इकाई – 5

समूह–अवधारणा, प्रकार, प्राथमिक एवं द्वितीयक समूह, सन्दर्भ समूह।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-First Year

भारतीय सामाजिक व्यवस्था

Syllabus

इकाई – 1

प्राथमिक सामाजिक संस्थाएँ परिवार, विवाह, जाति, धर्म का सामान्य परिचय, प्रकार एवं कार्य।

इकाई – 2

संस्कृति–अवधारणा, परिभाषा, अर्थ एवं विशेषताएँ, संस्कृति के तत्व, सांस्कृतिक विलम्बना, सांस्कृतिक संघर्ष, संस्कृति एवं सभ्यता, जनरीतिया, लोकाचार, परम्पराएं।

इकाई – 3

सामाजिक स्तरीकरण–अर्थ एवं विशेषताएं, जाति एवं वर्ग के आधार पर सामाजिक स्तरीकरण, स्वरूप एवं प्रकार्य एवं अकार्य ।

इकाई – 4

सामाजिक नियंत्रण–अवधारणा, प्रकृति, अभिकरण। नियंत्रण के औपचारिक एवं अनौपचारिक साधन, जनमत एवं प्रचार।

इकाई – 5

सामाजिक एवं सांस्कृतिक परिवर्तन–अर्थ, विशेषताएं, स्वरूप, सामाजिक परिवर्तन के विभिन्न कारक।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-First Year

मूलभूत मनोवैज्ञानिक प्रक्रम

Syllabus

इकाई–1

विकास–अवधारणा, अर्थ, अवस्थाएं, विकास के नियम, विकास में सन्निहित प्रक्रियाएं।

इकाई–2

मानव विकास–दैहिक विकास, भाषा विकास एवं संवेगात्मक विकास।

इकाई–3

व्यक्तित्व–परिभाषा, अर्थ, स्वरूप, स्वरचना एवं निर्धारण। ईड, इगो एवं सुपर इगो, एडलर, एरिक्सन एवं फ्रायड का सिद्धान्त।

इकाई–4

अनुवांशिकता एवं परिवेश का मानव विकास पर प्रभाव।

इकाई–5

परिपक्वता एवं अधिगम की मानव विकास को निर्धारित एवं नियंत्रित करने में भूमिका।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-Second Year
ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE
(MAHARISHI VEDIC SCIENCE – I & II)
Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda
Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan
Introduction to Maharishi Vedic Management
Fundamental Elements of Vedic Management:- Totality
Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)
Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.
Maharishi Absolute theory of Development.
Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-Second Year

मनोविकृति विज्ञान

Syllabus

इकाई–1

असामान्यता : सामान्य दृष्टिकोण एवं वैज्ञानिक दृष्टिकोण। असामान्यता के प्रकार, असामान्य मनोविज्ञान की ऐतिहासिक पृष्ठभूमि।

इकाई–2

फ्रायड का मनोविश्लेषण सिद्धांत, मनोकामुक विकास सिद्धांत, एडलर का व्यष्टि मनोविज्ञान सिद्धांत, हर्नी का बुनियादी दुष्चिन्ता का सिद्धांत, रोजर्स का सेवापक्षी केन्द्रित मनोविज्ञान।

इकाई–3

असामान्यता के लक्षण, असामान्यता के कारण– जैविक कारण, मानसिक कारण एवं सामाजिक कारण, व्यक्तित्व के निर्धारण– अनुवांशिकता, पर्यावरण, अभिप्रेरण एवं व्यक्तित्व। प्रतिबल के स्रोत– कुंठा, द्वन्द्व एवं दबाव।

इकाई–4

अहम् प्रतिरक्षा युक्तियाँ– समायोजी एवं कुसमायोजी। प्रतिक्रियाएँ– दमन, तादात्मीकरण, प्रक्षेपण, प्रतिक्रिया विधान, विस्थापन, उदात्तीकरण, क्षतिपूर्ति, परिवर्तन, प्रतिगमन एवं स्वकल्पना।

इकाई–5

दुष्चिन्ता प्रतिक्रिया, मनोग्रस्त बाध्यता प्रतिक्रिया, अपस्मार, पेप्टिक अल्सर, भवसनिका दमा। व्यक्ति विकार– बालापचार, कामुक विचलन, मद्यव्यसनिता। मानसिक स्वास्थ्य, रोकथाम के जैविक मनोवैज्ञानिक एवं सामाजिक उपाय।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-Second Year

सामाजिक अनुसंधान एवं सांख्यिकी

Syllabus

इकाई–1

सामाजिक अनुसंधान का अर्थ, क्षेत्र एवं महत्व। सामाजिक अनुसंधान के उद्देश्य, चरण एवं विशेषताएँ। वैज्ञानिक पद्धति का अर्थ एवं विशेषताएँ, सामाजिक घटनाओं की प्रकृति।

इकाई–2

तथ्य संकलन– अवलोकन, साक्षात्कार, वैयक्तिक अध्ययन, अनुसूची एवं प्रश्नावली, उपकल्पना।

इकाई–3

शोध एवं उसका प्रस्तुतीकरण, सामाजिक अनुसंधान के प्रकार– आधारभूत, व्यवहारिक तथा अनुभवात्मक, सारणीयन, विश्लेषण एवं प्रतिवेदन प्रस्तुति।

इकाई–4

सामाजिक सर्वेक्षण– अर्थ, उद्देश्य, महत्व एवं प्रकार। निर्देशन– अवधारणा एवं प्रकार।

इकाई–5

केन्द्रीय प्रवृत्ति के माप– माध्य, मध्यिका एवं बहुलक, सामान्य ग्राफ की प्रस्तुति। रेखाचित्र– सरल, द्विगुणीय एवं त्रिगुणीय दण्ड चित्र।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-Second Year

भारतीय सामाजिक समस्याएँ

Syllabus

इकाई–1

सामाजिक समस्याएँ– अर्थ, प्रकृति, कारण एवं प्रकार। सामाजिक समस्याओं के सिद्धांत– सामाजिक विघटन का सिद्धांत, सांस्कृतिक पिछड़ेपन का सिद्धांत, मूल्यों में संघर्ष का सिद्धांत, वैयक्तिक विचलन का सिद्धांत।

इकाई–2

वैयक्तिक विघटन, पारिवारिक विघटन, सामाजिक एवं सांस्कृतिक विघटन।

इकाई–3

जनसंख्या वृद्धि, बेरोजगारी, भिक्षावृत्ति एवं निर्धनता।

इकाई–4

अपराध, बाल अपराध, भ्रष्टाचार, जातिवाद एवं सम्प्रदायवाद।

इकाई–5

मादक दुर्व्यसन, वैश्यावृत्ति, एड्स। पर्यावरणीय समस्याएँ– भूमि, जल, वायु एवं ध्वनि प्रदूषण।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-Second Year

वैयक्तिक समाजकार्य

Syllabus

इकाई–1

भारत एवं पश्चिम में वैयक्तिक समाजकार्य का इतिहास। वैयक्तिक सेवाकार्य के घटक– व्यक्ति, समस्या, स्थान एवं प्रक्रिया।

इकाई–2

वैयक्तिक सेवाकार्य की अवधारणा– अहम्, सामाजिक भूमिका, प्रतिबल एवं अनुकूलन। वैयक्तिक समाजकार्य का समाजकार्य की अन्य विधियों से संबंध।

इकाई–3

वैयक्तिक सेवाकार्य के चरण– अध्ययन, निदान एवं उपचार। कार्यकर्ता सेवार्थी संबंध।

इकाई–4

वैयक्तिक सेवा कार्य के सिद्धांत एवं तकनीकियाँ।

इकाई–5

वैयक्तिक सेवाकार्य अभ्यास का मनोसामाजिक उपागम। वैयक्तिक सेवाकार्य में अभिलेखन। इतिहास एवं साक्षात्कार प्रक्रिया।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-Second Year

सामाजिक सांस्कृतिक मानवशास्त्र

Syllabus

इकाई–1

मानवशास्त्र–परिभाषा, प्रकृति एवं अध्ययन क्षेत्र। मानवशास्त्र की शाखाएँ। सामाजिक मानवशास्त्र– प्रकृति, अध्ययन, क्षेत्र एवं महत्व। सामाजिक मानवशास्त्र एवं अन्य सामाजिक विज्ञान।

इकाई–2

मानव एवं संस्कृति– अर्थ, परिभाषा, लक्षण, विशेषताएँ। संस्कृति के प्रकार, संस्कृति के घटक– संस्कृति तत्व, संस्कृति संकुल, संस्कृति–प्रतिमान, संस्कृति क्षेत्र।

इकाई–3

प्रजाति– वैज्ञानिक अर्थ, लक्षण, उत्पत्ति। प्रजाति निर्धारण के आधार। विश्व की विभिन्न प्रजातियाँ– प्रजातिवाद, भारत में प्रजातीय तत्वों का इतिहास।

इकाई–4

जनजाति सामाजिक संगठन, विवाह, परिवार, युवागृह, नातेदारी व्यवस्था, वंश समूह, गोत्र, गोत्र समूह, टोटम एवं निषेध, धर्म तथा जादू।

इकाई–5

जनजातीय अर्थव्यवस्था, जनजातीय कला, लोक कथाएँ, जनजातियों में कानून, न्याय व्यवस्था, भारत में जनजातीय समस्याएँ, कल्याण नीतियाँ एवं कार्यक्रम।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)-Third Year

सामूहिक समाजकार्य

Syllabus

इकाई : 1

सामूहिक कार्य–अवधारणा एवं परिभाषा। भारत एवं पश्चिम में सामूहिक कार्य का विकास।

इकाई : 2

सामूहिक कार्य के प्रमुख सिद्धांत। सामूहिक कार्य के चरण। समाजकार्य की एक विधि के रूप में समूह कार्य का अन्य विधियों के साथ संबंध।

इकाई : 3

समूह कार्य प्रक्रिया, समूह कार्यकर्ता की समूह कार्य प्रक्रिया में भूमिका एवं निपुणताएं।

इकाई : 4

समूह में कार्यक्रम–अर्थ, महत्व, कार्यक्रम नियोजन एवं विकास प्रक्रिया।

इकाई : 5

समूह कार्यक्रम में भूमिका निर्वहन, समूह स्वरचना, समूह गत्यात्मकता एवं नेतृत्व।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)- Third Year

सामुदायिक संगठन

Syllabus

इकाई : 1

समुदाय–अर्थ, संरचनात्मक एवं कार्यात्मक पक्ष, नगरीय एवं ग्रामीण समुदाय–अर्थ, प्रकृति एवं विशेषताएं।

इकाई : 2

सामुदायिक संगठन– अर्थ, उद्देश्य एवं विधियाँ। सामुदायिक संगठन का ऐतिहासिक विकास।

इकाई : 3

सामुदायिक संगठन के सिद्धांत, सामुदायिक संगठक की भूमिका एवं निपुणताएं। सामुदायिक संसाधनों की पहचान एवं उपयोग।

इकाई : 4

सामुदायिक संगठन एवं सामुदायिक परिवर्तन। सामाजिक क्रिया, नेतृत्व–प्रकार एवं कार्य।

इकाई : 5

सामुदायिक संगठन समाजकार्य की एक विधि के रूप में सामुदायिक संगठन एवं विकास व्यूह रचना– 1. संगठन 2. कार्यक्रम 3. प्रशिक्षण 4. निरीक्षण 5. प्रशासन 6. संसाधन 7. मूल्यांकन।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)- Third Year

सामाजिक नीति एवं सामाजिक प्रशासन

Syllabus

इकाई : 1

सामाजिक प्रशासन–अर्थ, प्रकृति, क्षेत्र, सिद्धांत एवं महत्व।

इकाई : 2

कन्द्रीय स्तर पर सामाजिक प्रशासन। राज्य स्तर पर सामाजिक प्रशासन। स्थानीय स्तर पर सामाजिक प्रशासन।

इकाई : 3

भारत में सामाजिक नीति– अनुसूचित जाति, अनुसूचित जनजाति, महिला एवं बालकल्याण नीति तथा समस्याएं। भारत में सामाजिक विधान–उद्भव, प्रकृति, उपयोगिता, प्रमुख सामाजिक विधान।

इकाई : 4

भारत में सामाजिक नियोजन– आवश्यकता, क्षेत्र। विभिन्न पंचवर्षीय योजनाओं में सामाजिक नियोजन, कल्याण एवं विकास।

इकाई : 5

भारत में समाज कल्याण–स्वयंसेवी संगठनों के प्रयास, भूमिका, दायित्व, महत्व। भारत में सामाजिक प्रशासन की समस्याएं।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)- Third Year

सुधारात्मक प्रशासन

Syllabus

इकाई : 1

अपराध–अवधारणा (कानूनी, व्यावहारिक एवं समाजशास्त्रीय), विशेषताएं, दुष्कृति, पाप, दुराचार एवं अनैतिकता। अपराध–विशिष्ट वर्गीकरण, सांख्यिकीय एवं सामान्य वर्गीकरण। अपराधियों का वर्गीकरण

इकाई : 2

अपराध की व्याख्याएं– शास्त्रीय, प्रत्यक्षवादी, मनोवैज्ञानिक एवं भौगोलिक व्याख्या। समाजशास्त्रीय व्याख्याएं– विभेदक संगति, समूह प्रक्रियाएं, अपराधी उपसंस्कृतिक एवं अवसरवादी संरचना सिद्धांत, सामाजिक संरचना एवं नियमहीनता।

इकाई : 3

बाल अपराध, वेतवसन अपराध, आतंकवाद–अर्थ, परिभाषा, प्रमुख लक्षण, कारण, दुष्परिणाम, समाधान एवं सुझाव। अपराध एवं अपराधियों के नये प्रतिमान एवं परिवेश–महिलाओं के विरुद्ध अपराध, बाल उत्पीड़न, आतंकवादी अपराध, कम्प्यूटर अपराध, मानव अंगों का अपराध, अधिकारीय वर्गीय अपराध।

इकाई : 4

अपराध एवं उसके विभिन्न सिद्धांत। दण्ड के प्रकार एवं विभिन्न सिद्धांत।

इकाई : 5

अपराधियों का सुधार–उत्तररक्षण सेवाएं तथा पुनर्वसन, बन्दीगृह सुधार, खुले बन्दीगृह, प्रोवेशन एवं पेरोल, बाल न्यायालय अपराध रोकने में सामाजिक कार्यकर्ता की भूमिका।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BSW(Bachelor of Social Work)- Third Year

भारत में स्थानीय स्वशासन

Syllabus

इकाई : 1

लोकतंत्र– लोकतंत्र के आधार, लोकतंत्र के गुण–दोष, भारत में लोकतांत्रिक विकेन्द्रीकरण। भारत में स्थानीय स्वशासन का विकास– आवश्यकता, महत्व, स्थानीय स्वशासन के कार्य, सामुदायिक विकास योजना, कार्यक्रम, सामुदायिक विकास संगठन एवं स्वरचना। बलवंतराय मेहता कमेटी, अशोक मेहता कमेटी।

इकाई : 2

नगरीय प्रशासन–नगर पालिका एवं नगर निगम, स्वरचना कार्य एवं शाक्तियाँ पर्यवेक्षण एवं नियंत्रण, 74वें संविधान संशोधन 1992 की विशेषताएं।

इकाई : 3

पचांयत राज व्यवस्था– पचांयत, आवश्यकता, महत्व, उद्देश्य एवं कार्य पंचायती राज का विकास– ग्राम सभा, ग्राम पंचायत, जिला पंचायत। पंचायत राज संस्थाओं का नियंत्रण एवं पर्यवेक्षण।

इकाई : 4

नगर एवं ग्राम निकायों में कर्मचारी वर्ग व्यवस्था, नगरीय निकायों का वित्तीय प्रशासन, पंचायतों का वित्तीय प्रशासन।

इकाई : 5

मध्यप्रदेश में पचांयती राज व्यवस्था, 73वें संविधान सशोधन के अर्न्तगत ग्राम, जनपद एवं जिला पंचायत। मध्यप्रदेश पंचायती राज अधिनियम में द्वितीय संशोधन 1997, मध्यप्रदेश में ग्राम स्वराज।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-First Year

Fundamentals of Maharishi Vedic Science

(Maharishi Vedic Science – I & II)

Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought.

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-First Year

सांख्यिकी विश्लेशण (Statistical Analysis)

Syllabus

इकाई–1

सहसम्बंध विश्लेषण (Correlation Analysis) सहसंबंध के प्रकार, सहसंबधों की विधियां तथा महत्व, सहसंबंध विश्लेषण का कार्लपियर्सन गुणांक, सहवर्ती विचलन द्वारा सहसंम्बध, आंशिक सहसंबंध विश्ले ाण सभाव्य त्रुटि। समाश्रयण (Regression), समाश्रयण विश्लेषण (Regression Analysis), समाश्रयण की रेखाएं, न्यूनतम वर्ग विधि तथा माध्य, मानक विचलन, सहसंबध द्वारा समाश्रयण रेखाओं का प्रतिपादन।

इकाई–2

गुणों का सिद्धांत (Theory of Attributes) द्वीगणना संकेत प्रणाली तथा धनात्मक एवं ऋणात्मक गुण, वर्गो की कोटि, मौलिक समूह, तृतीय कोटि के संमकों तक व्यवस्थापन, गुणों का सहयोजन, बहुपक्षीय वर्गीकरण, स्वतंत्रता का मापदण्ड, काई–वर्ग परीक्षण तथा इसके उपयोग । अंतर्वेशन तथा बहिर्वेशन (Interpolation and Exprapolation) द्विपदीय विधि, न्यूटन की विधि, लाग्रांज सूत्र, परवलयिक विधि।

इकाई–3

प्रायिकता की अवधारणा (Concept of Probability) क्रमचय तथा संचय, प्रायिकता की गणना, योज्य व गुणन प्रमेय, बरनॉली प्रमेय एवं इसके अनुप्रयोग ।

सैद्धांतिक आवृत्ति बंटन (Theoretical Frequency Distribbution) द्विपदीय, पॉयसन तथा सामान्य बंटन।

इकाई–4

सार्थकता परीक्षण (Tests of Significance) प्रतिदर्श तथा समानुपात का अंतर, चरों के प्रतिदर्श, अभिप्राय परीक्षण, माध्य के सरल माध्यान्तर हेतु, मानक विचलन को अंतर।

सूचकांक संख्या (प्दकमग छनउइमत) अर्थ व प्रकार, तौलें हुए सकलात्मक सूचकांक, लास्पेयर तथा पाशे के सूचकांक (मूल्य–मात्र) सापेक्षता के तौले हुए औसत के सूचकांक, फिशर का आर्दश सूचकांक, पर्याप्तता का परीक्षण, विशे ा समस्याएं, आधार में परिवर्तन।

इकाई–5

समय श्रेणी विश्लेषण (Time Series Analysis) समय श्रेणी के अवयव, प्रचलन मापन की विधियां, द्वितीय परवलयात्मक वक्र, मौसमी परिवर्तन, चक्रीय स्थिरता तथा अनियमित परिवर्तन, अनुमान का महत्व तथा विधियां।

सांख्यिकीय गुणवत्ता नियंत्रण चार्ट – उद्देश्य तथा तर्क, गुणों तथा चरों हेतु चार्ट एवं उनके उपयोग, सांख्यकीय सिद्धांत, निर्णय, समस्या के संघटक, ऐच्छिक निर्णय, अधिकतम सिद्धांत, अनिश्चितता में निर्णय करना।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-First Year

प्रबंधकीय अर्थशास्त्र (Managerial Economics)

Syllabus

इकाई–1

पाठ्यक्रम अंतर्वेशन– प्रबंध अर्थशास्त्र की प्रकृति व विस्तार – (Nature & Scope of Managerial Economics) फर्म का उद्देश्य, आर्थिक सिद्धान्त व प्रबंध सिद्धांत, प्रबंध अर्थशास्त्री की भूमिका एवं जिम्मेदारी, मौलिक आर्थिक अवधारणायें, बढ़ते लाभ का सिद्धांत, अवसर लागत का सिद्धांत, बट्टा का सिद्धांत, सम–सीमांकन सिद्धांत, लाभ अधिकाधिकरण का सिद्धांत।

इकाई–2

मांग विश्लेशण (Demand Analysis) वैयक्तिक व बाजार मांग कार्य, मांग का नियम, मांग के निर्धारण, मांग के लोच–आशय व महत्व, कीमत लोच, आय लोच, विपरीत लोच, प्रबंधकीय निर्णयों में लोचनीयता का प्रयोग।

इकाई–3

उत्पादन सिद्धांत (Production Theory) उत्पादन कार्य एक ही चरों के अर्न्तवेशन सहित उत्पादन, उत्पादन की अवस्थायें – संसाधनों का मितव्ययीकरण, उत्पादन कार्यो का आकलन, आकलन एवं लागत सिंद्धांत, आर्थिक मूल्य विश्लेशण, अल्पकालीन व दीर्घकालीन लागत फलन–उनकी प्रकृति, आकृति व अंर्तसंबंध, चर समानुपात का नियम, पैमाने पर वापसी नियम।
चर समापनुपात का नियम, पैमाने पर प्रत्यावर्तन का नियम, मूल्य निर्धारण, भिन्न बाजार दशाओं के अन्तर्गत– अल्पकाल तथा दीर्घकाल में मूल्य निर्धारण तथा फर्म साम्यवस्था, पूर्ण प्रतियोगता के अंतर्गत, एकाधिपत्य प्रतियोगिता, एकाधिपत्य तथा बहुआधिपत्य। मूल्य विभेदीकरण, अंतराष्ट्रीय मूल्य विभेदीकरण, (कम मूल्य पर माल विक्रय)

इकाई–4

व्यवसायिक चक्र (Business Cycle) प्रकृति व कलांए, व्यवसाय चक्र का सिद्धांत, शुम्पीटर, हिक्स, हेयक हॉट्री व सेमुअलसन का मौद्धिक व अमौद्रिक सिद्धांत।
लाभ प्रबंधन – लाभ मापन, जोखिम व अनिश्चितना की अवधारणा, लाभ नियोजन तथा पूर्वानुमान।

इकाई–5

राष्ट्रीय लांभाश तथा आर्थिक कल्याण में संबंध (Relationship between Nation Dividend and Economic Welfare) रोजगार का कीन्स का सिद्धांत मुद्रास्फीती – अवधारणा, प्रकार तथा प्रभाव, मांग व लागत नोदक घटक।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-First Year

प्रबंध अवधारणा व संगठनात्मक व्यवहार

(Management Concept & Organisational Behaviour)

Syllabus

इकाई–1

प्रबंध विचारों का घराना (School of Managemental thoughts) वैज्ञानिक प्रक्रिया, मानव व्यवहार तथा सामाजिक प्रणाली घराना, निर्णय सिद्धांत घराना, मात्रा एवं तंत्र घराना, प्रबंध का आपात सिद्धांत, प्रबधक के कार्य।

इकाई–2

प्रबंधकीय कार्य नियोजन (Managerial Function) अवधारणा, महत्व, प्रकार, संगठनीकरण, अवधारणा, सिद्धांत, थ्योरी एवं संगठन के प्रकार, अधिकार, दायित्व, शक्ति प्रतिनिधि गण, विकेन्द्रीकरण, अधिकारी/कर्मचारी समूहीकरण निर्देशन समव्यीकरण नियंत्रण–प्रकृति, प्रक्रिया एवं तकनीक।

इकाई–3

संगठनात्मक व्यवहार (Organisational Behaviour) संगठनात्मक व्यवहार – अवधारणा व महत्व, प्रबंध व सगठनात्मक व्यवहार के मध्य संबंध, प्रकटीकरण एवं नीति परिदृश्य दृष्टिकोण, बोधगम्यता सीखना, व्यतिव्य संव्यवहारिक विश्लेशण ।

इकाई–4

अभिप्रेरणा (Motivation) अभिप्रेरणा प्रक्रिया, अभिप्रेरणा के सिद्धांत – आवश्यकता सोपान सिद्धांत, X सिंद्धांत व Y – सिद्धांत, द्विघटक सिद्धांत, नेतृत्व – अभिधारणा, नेतृत्व ढंग, सिद्धांत – विशेष गुण सिद्धांत, व्यवहारीय सिद्धांत, फील्डर का आपात सिद्धांत।

इकाई–5

संगठनात्मक संवाद (Interpersonal & Organisational Communication) गतिकीय एवं प्रबंध, स्त्रोत प्रतिरूप, स्तर विवाद के प्रकार, विवाद की परम्परागत व आधुनिक विधि, कार्यकारी व अकार्यकारी संगठनात्मक विवाद, विवादों का समाधान। अतिर्वैयक्तिक व संस्थागत संप्रेषण– द्वीमार्गी सम्प्रेषण की अवधारणा, सम्प्रेषण प्रक्रिया, प्रभावशाली सम्प्रेषण के अवरोध, संस्थागत सम्प्रेषण के प्रकार, सम्प्रेषण सुधार, सम्प्रेषण में संव्यवहारात्मक विश्लेशण।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-First Year

लागत प्रबंधन तथा लागत नियंत्रण

(Cost Administration and Cost Control)

Syllabus

इकाई–1

लागत अवधारणा की समीक्षा प्रबंधन हेतू लागत लेखों का उपयोग, लागतीकरण प्रणाली स्थापित करना, लागत की रचना, लागत कटौती, गतिविधि आधारित लागत।

इकाई–2

प्रक्रिया लागत प्रमुख अवधारणाएं तथा असामान्य हानि, उत्पाद के संयुक्त व्यय, अंर्तप्रक्रिया लाभ, प्रगति में कार्य समतुल्य तथा प्रभावशाली उत्पादन, कार्यकारी लागत, प्रमुख अवधारणा, यातायात होटल, व ऊर्जा कम्पनी हेतू कार्यकारी लागत की गणना।

इकाई–3

लगत प्रतिवेदनीकरण प्रकार, तैयारी, लागत लेखा परीक्षण, मानक लागतीकरण तथा प्रसरण विश्लेषण, सामग्री की गणना, श्रमिक, उपरिशीर्ष तथा विक्रय प्रसरण एवं उनके निराकरण।

इकाई–4

निर्णय लेखांकन प्रत्यक्ष लागतीकरण बनाम अवशोषिकरण, लागतीकरण, लागत आकार लाभ विश्लेषण, खण्डसम बिन्दु, खण्डसम चार्ट का निर्माण, अवकल लागत विश्लेषण, प्रबंधकीय निर्णयों हेतू सीमांकित लागत का उपयोग।

इकाई–5

बजटीय नियंत्रण बजट तथा बजटीय निंयत्रण की अवधारणा, कार्यकारी बजटों का निर्माण, स्थिर तथा लचीले बजट, उत्पादन तथा नगद बजट, शून्य आधारित बजट, तथा प्रदर्शन बजटीकरण।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-First Year

निगमीय वित्तीय लेखांकन (Corporate Financial Accounting)

Syllabus

इकाई–1

निगम लेखाकंन के तत्व (Element of Corporate Accounting) भारतीय कम्पनी अधिनियम के अंतर्गत कम्पनी हेतु लेखांकन की प्रक्रिया शेयरों का जारीकरण तथा राज्यसात्करण, वरीयता शेयरों तथा ऋणपत्रों का मोपन शेयरों का पुनः क्रय।

इकाई–2

भारतीय कम्पनी अधिनियम के अंतर्गत वित्तीय लेख का निर्माण, क्षैतिज तथा ऊर्ध्वाधर रूप में। लाभ एवं हानि खांते तथा तलपट, प्रबंधकीय पारिश्रमिक भाज्य लाभ की गणना । लाभांश की घोषणा तथा भुगतान, बोनस शेयरों को जारी करना।

इकाई–3

समामेलन (संयुक्तीकरण) (Amalgmation) कंमनियों का विलय तथा पुननिर्माण (वाह्य तथा आंतरिक पुननिर्माण) लेखाकंन मानकों का अध्ययन।

इकाई–4

सूत्रधारी कम्पनी के लेखे (Accounts of Holding-Company)– समेकित तलपट, लाभ व हानि खातों का मात्र एक सहायक कम्पनी के साथ का निर्माण।

इकाई–5

ख्याति (Goodwill) का मूल्यांकन तथा शेयरों का कंपनी के परिसमापन (Liquidation) हेतु, लेखांकन।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-First Year

वित्तीय प्रबंधन (Financial Management)

Syllabus

इकाई–1

वित्तीय प्रबंधन व वित्तीय फर्मो की अवधारणा, महत्व, उद्देश्य तथा कार्य, वित्तीय नियोजन, उद्देश्य तथा प्रतिफल, पूंजीवाद, अतिपूंजीवाद तथा अल्पपूंजीवाद अवधारणा तथा सिद्धांत। अति व्यापार तथा अल्प–व्यापार।

इकाई–2

पूंजी संरचना अवधारणा व महत्व (Capital Structure: Concept & Importance) पूंजी संरचना के सिद्धांत, दुरूस्त पूंजी मिश्रण के मुख्य अंश, पूंजी उपस्करीकरण, उत्तोलन, वित्तीय व कार्यकारी उत्तोलन, वित्तीय अनुमान, इसका अर्थ, कार्य का सीमाएं, चरण प्रकार, व्यवसाय अनुमान की विधि।

इकाई–3

वित्त के स्त्रोत (Source of Finance) निष्पक्षता शेयर, वरीयता शेयर, तथा ऋणपत्र, अढ़ातिया कार्य की आधारभूत अवधारणा, जोखिम पूंजी बीज पूंजी, सेतु वित्त, SEBI की भूमि का, उद्देश्य, शक्ति तथा कार्य, पूंजी मुद्दों को उत्तरादायित्वकरण।

इकाई–4

कार्यकारी पूंजी प्रबंधन (Working Capital Management) अवधारणा, प्रकार, महत्व व उद्देश्य। कार्यकारी पूंजी आवश्यकता निर्धारित करने वाले तत्व। कार्यकारी पूंजी हेतु वित्तके स्त्रोत, कार्यकारी पूंजी का अनुमान, आवश्यकता, रोकड़ रखने को उद्देश्य रोकड प्रबंधन प्रारूप, प्राप्यों के आकार के प्रभावी कारक, प्राप्य प्रबंधन के उद्देश्य।

इकाई–5

उपार्जन प्रबंधन तथा लाभ की वापस जोत (Management of Earning and Ploughing Back of Profit) अवधारणा, उद्देश्य तथा महत्व, लाभांश नीति, स्थायी लाभांश नीति का महत्व, लाभांश नीति के निर्धारण, निगम लाभांश व्यवहार, परस्पर कोश की अवधारणा, परस्पर कोश के प्रकार, परस्पर कोश के लाभ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

BUSNESS ENVIRONMENT

Syllabus

इकाई–1

व्यवसाय वातावरण की अवधारणा : व्यवसाय वातावरण संघटक, सामाजिक सांस्कृतिक वातावरण, व्यवसाय का सामाजिक व आर्थिक आधार व्यवसाय तथा भारतीय संविधान, व्यवसाय नीतिशास्त्र तथा नैतिकता की अवधारणा, समाजिक लेखापरीक्षण की अवधारणा।

इकाई–2

आर्थिक प्रणाली तथा व्यवसाय वातावरण : पूंजीवाद, समाजवादी प्रणाली, मिश्रित अर्थव्यवस्था, कल्याणकारी राज्य की अवधारणा, न्याराधारिता का सिद्धांत, व्यवसाय का सामाजिक दायित्व।

इकाई–3

भारत में आर्थिक नियोजन नव आर्थिक नीति, द्वितीय पीढ़ी सुधार, वर्तमान औद्योगिक नीति, ओद्योगिक लाइसेंसिंग नीति, आयात–निर्यात नीति, भारत में उपभोक्तावाद, उपभोक्ता संरक्षण अधिनियम।

इकाई–4

भारत में सार्वजनिक क्षेत्र, महत्व व असफलताएं, विनिवेश की नीति तथा निजीकरण, संयुक्त क्षेत्र, व्यवसाय में राज्य हस्तक्षेप तथा भारत में विधिक वातावरण। अप्रवासी भारतीय तथा निगम क्षेत्र।

इकाई–5

प्रोद्योगिकीय वातावरण, प्रोद्योगिकीकरण, वैश्वीकरण– अवधारणा व औचित्य, भारत में बहुराष्ट्रीय कम्पनियों की भूमिका WTO की कार्यप्रणाली भारत व WTO इसके अवरोध, पेटेन्ट कानून।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

CORPORATE TAX PLANNING & MANAGEMENT

Syllabus

इकाई–1

कर नियोजन का आशय, अर्थ क्षेत्र, महत्व कर नियोजन का उद्देश्य और कर का परित्याग तथा कर का बचाव, निगमीय कराधान और लाभांश।

इकाई–2

कर नियोजन का क्षेत्र – स्वायत्ता के रूप में और स्थान के रूप में व्यापार का स्वभाव तथा कर नियोजन।

इकाई–3

कर नियोजन व नये व्यापार के निर्माण की कटौती – नये उद्योगों के लिए उपलब्ध कटौती, एकीकरण, समामेलन और कर नियोजन, विशेष कर प्रावधान, फ्री ट्रेड जोन के संबंध में कर प्रावधान, निर्यातकों को कर प्रोत्साहन।

इकाई–4

कर नियोजन और वित्तीय निर्णय – पूंजी संरचना निर्णय लाभांश, अन्तर निगमीय लाभांश, बोनस अंश, सम्पत्ति का क्रय स्वयं के कोष में से तथा उधार लिए गए कोष में से।

इकाई–5

कर प्रबंध – प्रस्तावना, कर नियोजन व कर प्रबंध में अंतर, कर प्रबंध का क्षेत्र, आय की विवरणी और निर्धारण, जुर्माना और दंड तथा अपील व पुनर्विचार।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

ACCOUNTING FOR MANAGEMENT

Syllabus

इकाई–1

लेखांकन परिचय : लेखांकन क्षेत्र के रूप में प्रबंध लेखांकन, उद्देश्य, प्रकृति, वित्तीय लेखांकन का विस्तार, लागत लेखांकन एवं प्रबंध लेखांकन, प्रबंध लेखांकन व प्रबंधकीय निर्णय, प्रबंध लेखाकार की स्थिति, भूमिका एवं दायित्व।

लेखांकन योजना एवं दायित्व केन्द : उत्तरदायित्व लेखांकन का महत्व एवं आशय, उत्तरदायित्व केन्द्र : लागत केन्द्र, लाभ केन्द्र व निवेष केन्द्र, अंतरण कीमतीकरण की समस्याएं, दायित्व केन्द्र के उद्देश्य एवं निर्धारण।

इकाई–2

बजटीकरण : बजट की परिभाषा, बजटीकरण के आवश्यक तत्व,

बजट के प्रकार : कार्यकारी, प्रमुख इत्यादि, कठोर एवं लचीला बजट, बजटीय नियंत्रण, शून्य आधरित बजटीकरण, प्रदर्शन बजटीकरण।

इकाई–3

मानक लागत एवं प्रसरण विश्लेषण : मानक लागतीकरण – नियंत्रण तकनीक के रूप में, मानकों का स्थापना एवं पुनरावृत्ति, प्रसरण विश्लेषण– आशय एवं महत्व, प्रसरण के प्रकार एवं उनके उपयोग, माल, श्रम एवं शीर्षोपरि प्रसरण, प्रसरण का निष्कासन प्रबंध, बजटीकरण व मानक लागतीकरण के सन्दर्भ में प्रसरण की प्रासंगिकता।

इकाई–4

सीमांत लागतीकरण एवं खण्ड सम विश्लेषण : सीमांत लागत की अवधारणा, सीमांत व अवशोषण लागतीकरण, सीमांत लागतीकरण बनाम प्रत्यक्ष लागतीकरण, लागत मात्रा लाभ–विश्लेषण खण्ड सम विश्लेषण, सम अवरोध विश्लेषण की कल्पना एवं व्यवहारिक अनुप्रयोग। विक्रय मिश्र, बावत निर्णय, निर्माण या क्रय निर्णय तथा उत्पाद रेखा का विस्तीकरण।

इकाई–5

वित्तीय लेखों का विश्लेषण : क्षैतिज ऊर्ध्वाधर तथा अनुपाती विश्लेषण, रोकड़ प्रवाह विश्लेषण। प्रबंध लेखाकंन के समकालीन मुद्दे, मूल्य श्रृंखला अवलोकन, गतिविधि आधारित लागतीकरण, गुणवत्ता लक्ष्य तथा जीवन चक्र लागतीकरण।

प्रबंधन को प्रतिवेदनीकरण, प्रतिवेदनीकरण के उद्देश्य, विभिन्न प्रबंधकीय स्तरों पर प्रतिवेदनीकरण की आवश्यकता, प्रतिवेदन के प्रकार, प्रतिवेदनीकरण के साधन ढंग, प्रबंधन के विभिन्न स्तरों पर प्रतिवेदनीकरण।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

CORPORATE LEGAL FRAME WORK

Syllabus

इकाई–1

1956 का कम्पनी अधिनियम (Company Act 1956) उपयुक्त प्रावधान परिभाषा, प्रकार, ज्ञापन संग्रम, संगम नियमावली प्रविवरण, शेयर पूंजी तथा सदस्यता, बैठक तथा प्रस्ताव, कम्पनी प्रबंधन, प्रबंधकीय पारिश्रमिक, कम्पनी का परिसमापन तथाभंग किया जाना।

इकाई–2

पराक्रम्य संलेख अधिनियम 1881 (Negotiable – Instrument Act, 1881) परिभाषा, पराकम्य संलेखों के प्रकार, पराक्रमण, धारक तथा उचित समय सीमा में घटक, उचित सीमा में भुगतान, धनावेशों का पृष्ठांकन एवं रेखांकन, पराकम्य संलेखों का प्रस्तुतीकरण।

इकाई–3

प्रतिभूति बाजारों हेतु विधिक वातावरण (Legal Environment for Security Market) 1992 के सेबी अधिनियम, सेबी का संगठन तथा उद्देश्य, प्रतिभूति संविदा नियमन अधिनियम 1956 के अंतर्गत सेबी को हस्तांरित शाक्तियां प्रतिभूति बाजारों को नियंत्रित करने हेतु सेबी की भूमिकां।

इकाई–4

प्रतिबंधित तथा अनुचित व्यापार व्यवहार उपभोक्ता संरक्षण अधिनियम, अधिनियम, 1969 (Restrictive and Unfair Trade Practices, Consumer Protection Act.) एकाधिपत्य व्यापार व्यवहार, प्रतिबधात्मक व्यापार व्यवहार, उपभोक्त संरक्षण अधिनियम 1886, प्रमुख अंश, उपभोक्ता का परिभाषा, उपभोक्ता के अधिकार, शिकायत निवारण तंत्र।

इकाई–5

अंतराष्ट्रीय व्यवसाय हेतु नियामक वातावरण (Regulatory Environment for International Business) फेमा (FEMA) अधिनियम 1992, विश्व व्यापार संगठन WTO का नियामक ढांचा, आधारभूत सिद्धांत तथा इसका चार्टर, WTO-विकासशील देशों को वरीयता देने वि ायक प्रावधान, क्षेत्रीय गुटबंदी, तकनीकी मानक, निर्धारित से कम मूल्यपर विक्रय विरोधी कर तथा अन्य एन.टी.बी. सीमाशुल्क मूल्यांकन तथा विवाद निपटारा, ट्रिप तथा ट्रिम।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

MARKETING MANAGEMENT

Syllabus

इकाई–1

विपणन प्रबंधन की अवधारणा, उद्देश्य तथा महत्व – फुटकरीकरण तथा विक्रय, विपणन प्रबंधन के कार्य, आर्थिक विकास में विपणन की भूमिका, भारतीय विपणन प्रबंधन, विपणन मिश्रण, विपणन नियोजन, नियोजन प्रक्रिया, विपणन प्रखण्डन, इसकी अवधारणा, प्रकृति व आधार।

इकाई–2

विपणन सूचना प्रणाली : अवधारणा, आवश्यकता तथा अवयव, विपणन शोध, अवधारणा, उद्देश्य तथा प्रक्रिया। विक्रय पूर्वानुमान, भूमिका, घटक व चरण, उत्पाद नियोजन व विकास, उत्पाद वर्गीकरण, उत्पाद जीवन चक्र, स्थापनीकरण तथा विविधकरण, नव उत्पाद का विकास।

इकाई–3

उत्पाद का ब्रांडीकरण तथा पैकेजीकरण : उत्पाद मूल्य निर्धारण निर्णय, मूल्य निर्धारण विधिया, नव उत्पाद मूल्य निर्धारण नीतियां, पुनविक्रय मूल्य, रख–रखाव, भारत में आधुनिक विपणन के समक्ष चुनौतियां, विपणन तथा सामाजिक दायित्व, विपणन नीतिशास्त्र।

इकाई–4

विक्रय संवर्द्धन : विक्रय सवर्द्धन की अवधारणा व महत्व, विक्रय संवर्द्धन कार्यक्रम तथा रणनीति, वैयक्तिक विक्रय, भूमिका तथा महत्व, विक्रय वल की गुणवत्ता, वैयक्तिक, विक्रय बल, वैयक्तिक विक्रय के प्रकार, वितरण साधन, अवधारणा, भूमिका, वर्गीकरण तथा घटक, विक्रय मध्यस्थ, प्रकार व घटक, भौतिक वितरण की अवधारणा व संघटक।

इकाई–5

विज्ञापन : विज्ञापन की अवधारणा, प्रकृति, उद्देश्य व महत्व। उत्पादन, बाजार, उपभोक्ता व ओद्योगिक उद्‌भव में विज्ञापन का प्रभाव। विज्ञापन में सामाजिक प्रभाव नीति शासकीय मुद्दे। विज्ञापन प्रक्रिया, मीडिया भूमिका व चयन, विज्ञापन संदेश विज्ञापन प्रभावशीलता मापने, उद्देश्य व विधि, विज्ञापन अंकेक्षण विज्ञापन अभिकरण, कार्य प्रकार व चयन।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

INTERNATIONAL MARKETING

Syllabus

इकाई–1

अंतर्राष्ट्रीय विपणन परिचय : प्रकृति व महत्व, अतंर्राष्ट्रीय विपणन में जटिलताएं, अतंर्राष्ट्रीय बाजार प्रवेश, अतंर्राष्ट्रीय बाजार वातावरण, आंतरिक वातावरण, बाह्य वातावरण, आर्थिक, सामाजिक, सांस्कृतिक राजनैतिक व विधिक वातावरण, वातावरण का अंतर्राष्ट्रीय विपणन निर्णयों पर प्रभाव।

इकाई–2

विदेशी बाजार चयन : वैश्वीकृत बाजार प्रखण्डन, अंतर्राष्ट्रीय स्थापन। उत्पाद निर्णय– वैश्वीकृत बाजार हेतु उत्पाद नियोजन, मानवीकरण बनाम उत्पाद अनुकूलन, नव उत्पाद विकास, अंतर्राष्ट्रीय ब्रांड, पैकेजिंग तथा लेबलिंग का प्रबंधन, विक्रय संबधी सेवाओं के प्रावधान।

इकाई–3

मूल्य निर्धारण निर्णय : मूल्य निर्धारण निर्णय पर वातावरणीय प्रभाव, अंतर्राष्ट्रीय मूल्य निर्धारण, नीतियां व रणनीतियां।

इकाई–4

वितरण साधन व संभार तंत्र : साधनों के कार्य तथा प्रकार, साधन चयन निर्णय, विदेशी वितरकों तथा अभिकर्ताओं का चयन तथा उनसे संबधों का प्रबंधन, अंतर्राष्ट्रीय संभार तंत्र निर्णय।

इकाई–5

अतंर्राष्ट्रीय विपणन में उभरते मुद्दे तथा विकास : नीति शास्त्रीय व सामाजिक मुद्दे, सेवाओं का अंतर्राष्ट्रीय विपणन, सूचना प्रौद्योगिकी तथा अंतर्राष्ट्रीय विपणन, वैश्वीकरण के प्रभाव, विश्व व्यापार संगठन।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

ADVERTISING AND SALES MANAGEMENT

Syllabus

इकाई–1

विज्ञापन (Advertising) परिभाषा, विपणन के यंत्र के रूप में विज्ञापन, विज्ञापन प्रभाव– आर्थिक व सामाजिक, विज्ञापन व उपभोक्ता व्यवहार, भारत में विज्ञापन दृश्य (विज्ञापन उद्देश्य तथा बजट)।

इकाई–2

विज्ञापन मीडिया (Advertising Media) : प्रिंट मीडिया, प्रसारण मीडिया, गैर मीडिया विज्ञापन, मीडिया नियोजन तथा अनुसूचीकरण, इंटरनेट पर विज्ञापन, मीडिया चयन निर्णय संदेश डिजाइन व विकास– प्रतिलिपि विकास, अपील के प्रकार, प्रतिलिपि परीक्षण।

इकाई–3

विक्रय (Selling) : विक्रय प्रबंधन की अवधारणा, उद्देश्य व कार्य, विक्रय के मूल तत्व, विक्रय प्रक्रिया, विक्रेता तत्व, उत्पाद व उपभोक्ता ज्ञान। विक्रय नियोजन– विक्रय नियोजन का महत्व व प्रकार, विक्रय नियोजन प्रक्रिया, विक्रय पूर्वानुमान, विक्रय प्रदेशों का निर्धारण, विक्रय कोटा तथा विक्रय बजट।

इकाई–4

विक्रय बल प्रबंधन (Sales Force Management) : विक्रय विभाग हेतु जनशक्ति आवश्यकता का आकंलन, जनशक्ति भर्ती, चयन प्रशिक्षण तथा विकास, स्थापना तथा अधिष्ठापन, विक्रय बल का प्रोत्साहन, विक्रय बल का नेतृत्व, मुआवजा तथा पदोन्नति नीतियाँ, विक्रय बैठकों तथा प्रतियोगिता।

इकाई–5

नियंत्रण प्रक्रिया (Control Process) : विक्रय आकार लागत व लाभप्रदता का विश्लेषण, विक्रय कर्मियों के व्ययों का प्रबंधन, विक्रय बल कार्य प्रदर्शन का मूल्यांकन।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MCom-Second Year

MARKETING RESEARCH

Syllabus

इकाई–1

विपणन शोध परिचय : महत्व, प्रकृति व विस्तार, विपणन सूचना प्रणाली तथा विपणन शोध, विपणन शोध प्रक्रिया तथा विपणन संगठन।

इकाई–2

समस्या पहचान व शोध डिजाइन : समस्या पहचान तथा परिभाषा, शोध प्रस्ताव का विकास, शोध प्रकार का निर्धारण, – अन्वेषणात्मक, विवरणात्मक तथा निष्कर्षयात्मक शोध, प्रायोगिक डिजाइन।

इकाई–3

समंक स्त्रोत : द्वितीयक संमक स्त्रोत तथा उपयोग, ऑनलाइन समंक स्त्रोत, प्राथमिक समंक संग्रहण विधि–प्रश्न तकनीक, ऑनलाइन सर्वक्षण, प्रेक्षणात्मक विधियां, प्रश्नावली निर्माण, प्रतिदर्शीकरण तकनीक।

इकाई–4

समंक संग्रहण : क्षेत्रीय कार्य का संगठन तथा सर्वेक्षण त्रुटि प्रतिदर्श तथा अप्रतिदर्श त्रुटियां।
समंक विश्लेषण – एक चरीय, द्विचरीय तथा बहु चरीय समंक विश्लेषण प्रतिवेदन निर्माण तथा प्रस्तुतीकरण।

इकाई–5

विपणन शोध अनुप्रयोग : उत्पाद शोध, विज्ञापन, विक्रय व बाजार शोध, अंतर्राष्ट्रीय विपणन शोध, भारत में विपणन शोध।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-First Semester
Fundamentals of Maharishi Vedic Science
(Maharishi Vedic Science – I & II)
Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.
The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-First Semester

OPERATING SYSTEM CONCEPTS

(Syllabus)

UNIT : 1

What is an operating system simple batch systems, Multiprogrammed Batched systems. Time-sharing systems, Personal Computer systems Parallel systems, Distributed and Real Time systems, Computer –system operation, I/O structure, storage structure, storage hierarchy, Hardware Protection, General-system Architecture.

UNIT : 2

System components, operating – system services Operating System as resource manager, system calls, system programs, system structure, virtual machines, system design and Implementation, system Generation, Process Concept , Process scheduling, operation on process, Cooperating processes, Interposes communications.

UNIT : 3

Basic concept of CPU scheduling, scheduling criteria, scheduling Algorithms, Algorithms evaluation, Process synchronization, the critical section problem, synchronization hardware, semaphores, classical problem of synchronization, Critical regions, monitors, Case studies problem of dead lock in processor management, Methods for handling deadlock.

UNIT : 4

Memory management, logical Vs physical Address space, swapping contiguous, Allocation, paging, segmentations, segmentation with paging, Demand paging performance of demand paging. Replacement Algorithm page, Thrashing, Demand segmentation, secondary-storage structure and Disk scheduling algorithms.

UNIT : 5

File-system structure, Access methods, Directory structure, protection, Allocation methods, Free-space management, directory implementation, efficiency and performance, Recovery Goals of protection, Domain of protection, Access matrix implementation of Access matrix.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-First Semester

SYSTEM ANALYSIS AND DESIGN

(Syllabus)

UNIT : 1

Introduction to SAD: Fundamentals of System, Important Terms related to Systems, Classification of Systems, Real Life Business Subsystems, Real Time Systems, Distributed Systems, Development of a successful System and Various Approaches for development of Information Systems. Structured Analysis and Design Approach, Prototype, Joint Application Development.

Systems Analyst-A Profession: Why do Businesses need Systems Analysts? Users, Analysts in various functional areas, Systems Analyst in Traditional Business, Systems Analyst in Modern Business, Role of a Systems Analyst Duties of a Systems Analyst, Qualifications of a Systems Analyst, Analytical Skills, Technical Skills, Management Skills, Interpersonal Skills.

UNIT :2

Process of System Development : Systems Development Life Cycle, Phases of SDLC, Project Identification and Selection, Project Initiation and planning, Analysis, Logical Design, Physical Design, Implementation, Maintenance, Product of SDLC Phases, Approaches to Development, Prototyping, Joint Application Design, Participatory Design, Case Study.

Introduction to Documentation of Systems : Concepts and process of Documentation, Types of Documentation, System Requirements Specification, System Design Specification, Test Design Document, User Manual, Different Standard for Documentation, Documentation and Quality of Software, Good Practices for Documentation.

UNIT : 3

Process of System Planning :Fact finding Techniques, Interviews, Group Discussion, Site Visits, Presentations, Questionnaires, Issues involved in Feasibility Study, Technical Feasibility, Operational Feasibility, Economic Feasibility, Legal Feasibility, Cost Benefit Analysis, Preparing Schedule, Gathering Requirements of System, Joint Application Development, Prototyping.

Modular and Structured Design: Design Principles, Top Down Design, Bottom Up Design, Structure Charts, Modularity, Goals of Design, Coupling, Cohesion.

System Design and Modeling : Logical and Physical Design, Process Modeling, Data Flow Diagrams, Data Modeling, E-R Diagrams, Process Specification Tools, Decision Tables, Decision Trees, Notation Structured English, Data Dictionary.

UNIT : 4

Forms and Reports Design : Forms, Importance of Forms, Reports, Importance of Reports, Differences between Forms and Reports, Process of Designing Forms and Reports, Deliverables and Outcomes, Design Specifications, Narrative Overviews, Sample Design,

Testing and Usability Assessment, Types of Information, Internal Information, External Information, Turnaround Document, General Formatting Guidelines, Meaningful Titles, Meaningful Information, Balanced Layout, Easy Navigation, Guidelines for Displaying Contents, Highlight Information, Using Color, Displaying Text, Designing Tables and Lists, Criteria for Form Design, Organization, Consistency, Completeness, Flexible Entry, Economy, Criteria for Report Design, Relevance, Accuracy, Clarity, Timeliness, Cost.

Physical File Design and Data base Design: Introduction to Database design, Flat files vs. Database, Steps in Database Design, ER model to Database Design, Inputs to Physical Database Design, Guidelines for Database Design, Design of Data Base Fields, Types of Fields, Rules for Naming Tables and Fields, Design of Physical Records, Design of Physical Files, Types of Files, File Organization, Design of Database, Case Study.

CASE Tools for Systems Development : Use of CASE tools by organizations, Definition of CASE Tools, Use of CASE tools by Organizations, Role of CASE Tools, Advantages of CASE Tools, Disadvantages of CASE Tools, Components of CASE, Types of CASE Tools, Classification of CASE Tools, Reverse and Forward Engineering, Visual and Emerging CASE tools, Traditional systems development and CASE based systems development, CASE environment, Emerging CASE Tools, Objected oriented CASE tools, Creating documentation and reports using CASE tools, Creating and executable prototype using Object Oriented CASE tools, Sequence Diagrams.

UNIT : 5

Implementation and Maintenance of Systems: Implementation of Systems, Conducting System Tests, Preparing Conversion Plan, Installing Databases, Training the end users, Preparation of User Manual, Converting to the new System, Maintenance of Systems, Different Maintenance activities, Issues involved in Maintenance.

Audit and Security of Computer Systems : Definition of Audit, Objectives of Audit, Responsibility and Authority of the System Auditor, Confidentiality, Audit Planning, Audit of Transactions on Computer, Transaction Audit, Audit of Computer Security, Audit of Application, Benefits of Audit, Computer Assisted Audit Techniques, Audit Software, Test Data, Audit Expert Systems, Audit Trail, Computer System and Security issues, Analysis of Threats and Risks, Recovering from Disasters, Planning the contingencies, Viruses, Concurrent Audit Techniques Need for Concurrent Audit, Techniques, An Integrated Test Facility, Techniques, The Snapshot Techniques, SCARF, Continuous and Intermittent, Simulation Technique.

Management Information Systems : Role of MIS in an organization, Different kinds of Information Systems, Transaction Processing System, Management Information System, Decision Support System, Expert System. An Introduction : Modern Science and Vedic Science, Unified Field based Computer Science.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-First Semester

COMPUTER SYSTEM ARCHITECTURE

(Syllabus)

UNIT : 1

Data types and number System , Binary number system ,Octal & Hexa-decimal number system, I's& 2's complement ,Binary Fixed –point Representation , Arithmetic operation on Binary number , Overflow & underflow ,Floating Point Representation , codes ,ASCII, EBCDIC codes , Gray code , Gray code ,Excess -3& BCD, Error detection & correction codes.

UNIT : 2

Logic Gate , AND , OR NOT gates and their truth tables , NOR, NAND & XOR gate , Boolean Algebra , basic Boolean law's, Demorgan's theorem , MAP simplification, Minimization technique , K-Map , sum of product & product of sum.

UNIT : 3

Combination & Sequential circuit , half adder & full adder , full subtractor, Flip –flops RS, D ,JK, &T flip-flops ,shift register , RAM and ROM , Multiplexer , Demultiplexer , Encoder, Decoder, Idea about Arithmetic Circuit , program control , instruction Sequencing.

UNIT : 4

I/O Interface , properties of simple I/O devices and their controller, Isolated versus memory-mapped I/O , Mode of Data transfer, Synchronous and Asynchronous data transfer, handshaking, Asynchronous serial transfer , I/O Processor.

UNIT : 5

Auxiliary memory, magnetic Drum, disk & tape, semi- conductor memories, Memory Hierarchy, Associative Memory, Virtual Memory, Address space & Memory Space, Address mapping page tables, page replacement, cache memory, hit ratio, mapping, hit ratio, mapping technique, Writing into Cache.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-First Semester

OPERATING SYSTEM CONCEPTS

(Syllabus)

UNIT : 1

What is an operating system simple batch systems, Multiprogrammed Batched systems. Time-sharing systems, Personal Computer systems Parallel systems, Distributed and Real Time systems, Computer –system operation, I/O structure, storage structure, storage hierarchy, Hardware Protection, General-system Architecture.

UNIT : 2

System components, operating – system services Operating System as resource manager, system calls, system programs, system structure, virtual machines, system design and Implementation, system Generation, Process Concept , Process scheduling, operation on process, Cooperating processes, Interposes communications.

UNIT : 3

Basic concept of CPU scheduling, scheduling criteria, scheduling Algorithms, Algorithms evaluation, Process synchronization, the critical section problem, synchronization hardware, semaphores, classical problem of synchronization, Critical regions, monitors, Case studies problem of dead lock in processor management, Methods for handling deadlock.

UNIT : 4

Memory management, logical Vs physical Address space, swapping contiguous, Allocation, paging, segmentations, segmentation with paging, Demand paging performance of demand paging. Replacement Algorithm page, Thrashing, Demand segmentation, secondary-storage structure and Disk scheduling algorithms.

UNIT : 5

File-system structure, Access methods, Directory structure, protection, Allocation methods, Free-space management, directory implementation, efficiency and performance, Recovery Goals of protection, Domain of protection, Access matrix implementation of Access matrix.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-First Semester

PROGRAMMING FUNDAMENTALS USING C

(Syllabus)

UNIT : 1

An overview: Problem identification, analysis, design, coding, testing & debugging, implementation, modification & maintenance; algorithms & flowcharts; Characteristics of a good program - accuracy, simplicity, robustness, portability, minimum resource & time requirement modularization; Rules/ conventions of coding, documentation, naming variables; Top down design; Bottom-up design.

UNIT : 2

Fundamentals of C Programming: History of C; Structure of a C Program; Data types;Constant & Variable, naming variables; Operators & expressions; Control Constructs - if-else, for, while, do-while; Case switch statement; Break, continue, exit(), goto & labels, Arrays; Formatted & unformatted I/O; Type modifiers & storage classes; Ternary operator; Type conversion & type casting; Priority & associativity of operators.

UNIT : 3

Modular Programming: Functions; Arguments; Return value; Parameter passing - call by value, call by reference; Return statement; Scope, visibility and lifetime rules for various types of variable, static variable; Calling a function; Recursion - basics, comparison with iteration, types of recursion- direct, indirect, tree and tail recursion, when to avoid recursion, examples.

UNIT : 4

Advanced Programming Techniques: String; Pointer v/s array; Pointer to pointer; Array of pointer & its limitation; Function returning pointers; Pointer to function, Function as parameter; Structure -basic, declaration, membership operator, pointer to structure, referential operator, self referential structures, structure within structure, array in structure, array of structures; Union - basic, declaration; Enumerated data type; Typedef; command line arguments.

UNIT : 5

Miscellaneous Features: File handling and related functions; printf & scanf family; C preprocessor- basics, #Include, #define, #undef, conditional compilation directive like #if, #else, #elif, #endif, #ifdef and #ifndef; Variable argument list functions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Second Semester

ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Second Semester

DATA STRUCTURE AND FILE STRUCTURE USING C

(Syllabus)

UNIT : 1

Information and its storage representation, nature of information, transmission of information, storage of information, primitive data structure, operations on data structure, integer, real numbers, character information, logical and pointer information, representation and manipulation, storage representation of strings, string manipulation application, text handling analysis.

UNIT : 2

Linear Data structure and their sequential representation, Non- primitive data structures, storage structure for arrays, stacks, definition and operations on stacks, application of stack, recursion, polish expressions and their manipulation, Queues, operations on queues, simulation, priority queues, linked storage representation, pointers and linked allocation, linked linear lists, operations on linked lists, circulatory linked list, doubly links list, application of linked lists, polynomial manipulation, linked dictionary, multiple precision arithmetic.

UNIT : 3

Nonlinear Data Structures: Trees, definitions and concepts of general trees and binary trees, representation of binary trees, binary tree representation of general tree, binary tree traversal, Threaded binary trees, operation on binary trees, application of trees, binary search trees, evaluation of binary search trees, AVL trees, B.B. trees, M. Way search trees and B-trees, B* trees. Graphs and their representation, matrix representation, list structure, other representation of graphs, Breadth first search, depth first search, application of graphs, dynamic storage management.

UNIT : 4

Sorting and Searching : Notation and concepts, selection sort, bubble sort, merge sort, tree sorts, partition exchange sort, radix sort, address calculation method, Summary of Sorting Methods, Searching Hash-table method, Hashing functions, Collision resolution techniques, external sorting, runlist sorting, polyphase sorting, oscillating sorting on disks, generating extended initial runs.

UNIT : 5

File Structure: Magnetic tapes, drums, disks, Mass storage devices and their characteristics, record organization, sequential file structure and processing of fixed sequential files (ISAM, Direct files, structure and processing, external searching, multilist organization, inverted list organization, controlled list Length, cellular partitioned structures, maintenance of multilist, inverted list, maintenance of constrained list and cellular structures.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Second Semester
COMPUTER NETWORKS
(Syllabus)

UNIT : 1

Users of Computer Network, Network Hardware, Network software, Protocol Hierarchies, Design issue for the layers, Interfaces and services, connection oriented and connection-less
services, service primitives, the relationship of services, to protocols, Reference Models, comparison of OSI and TCP/IP Reference models, Data communication services, SMDS, X.25, Frame Relay, Broadband ISDN, ATM and comparison of services.

UNIT : 2

Physical layer, Theoretical Basis for data communication, Bandwidth-limited signals. Maximum Data Rate of a Channel, Transmission media, Magnetic media, Wireless, Transmission, The telephone systems, Narrowband and Broadband ISDN and ATM, communication satellites.

UNIT : 3

Data Link layer, Design issues, Services provided to the Network layer, error detection and correction, elementary data link protocols, sliding window protocols, Protocol specification and verification, Case studies, HDLC and the Data link layer in the Internet.

UNIT : 4

Network layer design issues, routing algorithms, the optimality principle, shortest fath routing, Flooding, Flow-based Routing, Distance-vector and link-state routing broadcast and Multicast
Routing, Congestion control algorithms, general principles of congestion control, Traffic shaping, choke packets, load shedding, jitter control.

UNIT : 5

The transport layer, The transport service, Quality at service, Transport service Primitives, Addressing establishing a connection, Releasing a connection, Flow-Control and Buffering, Multiplexing, crash Recovery, The Internet Transport protocols, TCP service model, TCP protocol, TCP segment header, TCP connection management, TCP transmission policy, TCP congestion control, TCP timer management UDP.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Second Semester

DATA STRUCTURE AND FILE STRUCTURE USING C

(Syllabus)

UNIT : 1

Information and its storage representation, nature of information, transmission of information, storage of information, primitive data structure, operations on data structure, integer, real numbers, character information, logical and pointer information, representation and manipulation, storage representation of strings, string manipulation application, text handling analysis.

UNIT : 2

Linear Data structure and their sequential representation, Non- primitive data structures, storage structure for arrays, stacks, definition and operations on stacks, application of stack, recursion, polish expressions and their manipulation, Queues, operations on queues, simulation, priority queues, linked storage representation, pointers and linked allocation, linked linear lists, operations on linked lists, circulatory linked list, doubly links list, application of linked lists, polynomial manipulation, linked dictionary, multiple precision arithmetic.

UNIT : 3

Nonlinear Data Structures: Trees, definitions and concepts of general trees and binary trees, representation of binary trees, binary tree representation of general tree, binary tree traversal, Threaded binary trees, operation on binary trees, application of trees, binary search trees, evaluation of binary search trees, AVL trees, B.B. trees, M. Way search trees and B-trees, B* trees. Graphs and their representation, matrix representation, list structure, other representation of graphs, Breadth first search, depth first search, application of graphs, dynamic storage management.

UNIT : 4

Sorting and Searching : Notation and concepts, selection sort, bubble sort, merge sort, tree sorts, partition exchange sort, radix sort, address calculation method, Summary of Sorting Methods, Searching Hash-table method, Hashing functions, Collision resolution techniques, external sorting, runlist sorting, polyphase sorting, oscillating sorting on disks, generating extended initial runs.

UNIT : 5

File Structure: Magnetic tapes, drums, disks, Mass storage devices and their characteristics, record organization, sequential file structure and processing of fixed sequential files (ISAM, Direct files, structure and processing, external searching, multilist organization, inverted list organization, controlled list Length, cellular partitioned structures, maintenance of multilist, inverted list, maintenance of constrained list and cellular structures.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Second Semester

RELATIONAL DATA BASE MANAGEMENT SYSTEM USING ORACLE

(Syllabus)

UNIT : 1

INTRODUCTION: -Advantages of DBMS approach, various views of data, data independence, Schema & sub-schema, Primary concepts of data models, Database languages, Transaction management, Database administrator & uses, data dictionary, Overall system architecture.

ER MODEL: - Basic concept, Design issues, Mapping constraints, Keys, ER diagram, weak & strong entity sets, specialization & generalization, aggregation, inheritance, design of ER schema, Reduction of ER schema to tables.

UNIT : 2

DOMAIN RELATIONS & KEYS: - Domains, Relations, Kinds of relation, relational databases, various types of keys, candidate, primary, alternate & foreign Keys.

RELATION ALGEBRA & SQL :- The structure, relation algebra with extended operations, Modification of database, idea of relational calculus, Basic structure of SQL, set operation, Aggregate function, Null values, Nested sub queries, Derived relations, views modification of database, Join relations, DDL & SQL .

UNIT : 3

FUNCTIONAL DEPENDENCIES & NORMALIZATION: Base definitions, Trivial & non-Trivial dependencies, Closure set of dependencies & of attributes, Irreducible set of dependencies, introduction to normalization, Non- loss decomposition, FD diagram of I, II & III NF, Dependencies prevention, BCNF, Multi-valued dependencies prevention's, BCNF, Multi-valued dependencies & ANF, Join dependencies & 4NF.

DATABASE INTEGRITY :-General idea, Integrity rules, Domain rules, Attribute rules, Relation rules, Database rule, assertions, triggers, Integrity & SQL.

UNIT : 4

DISTRIBUTED DATABASES: - Basic idea, distributed data storage, Data replication, Data Fragmentation, horizontal, vertical & mixed fragmentation.

EMERGING TRENDS IN DBMS :- Object – Oriented database- Basic idea & the model Object structures Object, Class, inheritance, multiple object identity, Data warehousing terminology, definitions, characteristics, Data mining & its overview, Database on www, multimedia database difference with conventional DBMS, issues, similarity based retrieval continuous media data, multimedia data formats, video servers.

UNIT : 5

NETWORK & HIERARCHICAL MODEL: Basic idea, Data structure diagram, DBTG model, implementation, Tree structure diagram, Implementation techniques, comparison of three models.

TRANSACTION CONCURRENCY & RECOVERY:- Basic concept, ACID properties, Transaction state, Implementation of atomicity & durability concurrent executions, Basic idea of serializability, Basic idea of concurrency control, Basic idea of deadlock, Failure, classification, storage structure - types, stable storage implementation, data access, Recovery & Atomicity –

Log based recovery, deferred database modifications, immediate database modifications, checkpoints.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Second Semester
SOFTWARE ENGINEERING
(Syllabus)

UNIT : 1

Software Engineering Fundamentals: Definition of Software, The birth of s/w engineering, Software development paradigms, software Characteristics and Applications. Software Development life cycle, water fall model, Prototyping, Incremental & Spiral model, 4th Generation Techniques etc.

Software Processes: Processes projects and products, Component software processes, characteristics of a software process, software Development Process, project management process, software configuration management process, software configuration management process, process management process.

UNIT : 2

Software requirement Analysis and Specification: Software requirement, need for SRS, requirement process, problem analysis, analysis issues. Informal approach, structured analysis, object oriented modeling, other modeling approaches, prototyping, requirement specification, characteristics of an SRS, component of an SRS, specification languages, structure of requirement document validation requirement reviews, other method metrics, size measures, quality metrics.

UNIT : 3

Planning Software Project:- Cost estimation, uncertainties in cost estimation, building cost estimation models, on size estimation, COCOMO model , project scheduling, average duration

estimation, project scheduling and milestones, staffing and personnel planning, ayleigh curve,

personnel plan, team structure, software configuration management plans, quality assurance

plans, verification and validation, project monitor ing plans, risk management.

UNIT : 4

Function Oriented Design:- Design principles, coupling, cohesion, design notation and specification, structured design methodology, verification, network metrics, stability metrics, information flow metrics Software Testing.

Testing Methods: Software testing fundamentals, test case design, white box testing, control
structure testing, black-box testing, testing for specialized environments.

Software Testing Strategies: A Strategic Approach to software testing, strategic issues, unit
testing, validation testing, system testing, the art of debugging.

UNIT : 5

Re-Engineering: Software re-engineering, software maintenance, software reengineering process model, reverse engineering, reverse engineering user interfaces, restructuring, code restructuring, data restructuring, forward engineering the economics of reengineering.

Client/Server software Engineering: The structure of client/server systems, software engineering for c/s systems, analysis modeling issues, design for C/S systems, testing issues.

Computer-Aided software Engineering: What is case, building blocks for case, a taxonomy of
case tools, integrated case environments, the integration architecture, the case repository.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Third Semester

DATA WAREHOUSING AND DATA MINING

(Syllabus)

UNIT : 1

Motivation, importance, Data type for Data Mining :relation Databases, Data Warehouses, Transactional databases, advanced database system and its applications, Data mining Functionalities: Concept/Class description, Association , Analysis classification & Prediction, Cluster Analysis, Outlier Analysis, Evolution Analysis, Classification of Data Mining Systems, Major Issues in Data Mining.

UNIT : 2

Data Warehouse and OLAP Technology for Data Mining:Differences between Operational Database Systems and Data Warehouses, a multidimensional Data Model, Data Warehouse Architecture, Data Warehouse Architecture, Data Warehouse Implementation, Data Cube Technology.

UNIT : 3

Data Preprocessing: Data Cleaning, Data Integration and Transformation, Data Reduction, Discretization and Concept Hierarchy Generation. Data Mining Primitives. Languages, and System Architectures, Concept Description: Characterization and Comparison, Analytical Characterization

UNIT : 4

Mining Association Rules in Large Databases: Association Rule Mining: Market Basket Analysis, Basic Concepts, Mining Single-Dimensional Boolean Association Rules from Transactional Databases: the Apriori algorithm, Generating Association rules from Frequent items, Improving the efficiency of Apriory, Mining Multilevel Association Rules, Multidimensional Association Rules, Constraint-Based Association Mining.

UNIT : 5

Classification & Prediction and Cluster Analysis: Issues regarding , classification & prediction, Different Classification Methods, Prediction, Cluster Analysis, Major Clustering Methods, Applications & Trends in Data Mining: Data Mining Applications, currently available tools.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Third Semester

PRINCIPLES OF COMPILER DESIGN

(Syllabus)

UNIT : 1

Compiler and Translators, why do we need translators, the structure of Compiler, Lexical Analysis, Syntax analysis, Intermediate code generation, Book keeping, error handling.

UNIT : 2

Finite Automata and Lexical analysis, The role of the lexical analyzer, regular expressions, finite automata, from regular expression to finite automata, minimizing the number of states of a DFA, A Language for specifying lexical analyzer, implementation of lexical analyzer using lex.

UNIT : 3

Context- free grammars, derivation of parse trees, caabilities of CFGs, Parsers, shift-reduce parsing, operators precedence parsing, top -down parsing, Predicitive parsing, LR parsers, The
canonical collection of LR (0) items, constructing SLR parsing tables, constructing canonical LR parsing tables, constructing LALR parsing tables, Simple parsing exercises using Yacc.

UNIT : 4

Syntax-directed translations schemes, implementation of syntax directed translators, intermediate code, postfix notation, parse trees and syntax trees, three-address code, quadruples, and triples, translations of assignment statements, Boolean expressions, statements that alter the flow of control, cost fix translations, translation with the top-down parser.

UNIT : 5

Symbol tables, the contents of symbol tables, data structures for symbol tables, representing scope information, run time storage administration, implementation of a simple stack allocation schemes, implementation of block structured languages, storage for block - structured languages.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Third Semester

INTERNET AND JAVA PROGRAMMING WITH GUI

(Syllabus)

UNIT- I

Understanding the Internet, what in the Internet, How TCP/IP makes the Internet work, who runs the Internet, Overview of the Internet, Services like E-mail, WWW, FTP, Telnet etc. Domain Name System (DNS), Simple Network Management, Protocols (SNMP),Internet security, Cryptography, Public-key algorithms, Authentication Protocols, Digital Signature, Multimedia, Audio, Video, Data Compression.

UNIT- II

Java History, Java features, How Java differs fro C and C++, Java and Internet, Java and WWW, Hardware and Software requirements, Java environments, Simple Java Program, Java Program Structure, Java Tokens, Java statements, Implementations a Java Program, Java virtual machine, Constants, variables and data types.

UNIT- III

Operators and expressions, Arithmetic, Relational, Logical Bitwise operators, operator precedence and Associatively various control flow statement like if ….. else, switch while, do, for etc. classes object and methods, Inheritance extending a Class, Visibility control, Arrays strings and vectors.

UNIT- IV

Interfaces, Multiple inheritance definin Interfaces, extending Interfaces, Implementing Interfaces, Accessing Interface variables, Java API Packages, Naming Conventions, Creating packages, Accessing a package, Adding a class to a package, Hiding classes. Multi threaded programming, Creating threads, extending thread class, life cycle of a Thread, Thread exception, Thread priority.

UNIT- V

Exceptions, exception Handling in Java, Applet programming, Applet life Cycle, creating executable Applet, Applet Tag, Running an applet, passing parameters to applet, Graphics programming, GUI Concepts in Java, managing Input / Output files in Java.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Third Semester
ARTIFICIAL INTELLIGENCE
(Syllabus)

UNIT-I

What is Artificial Intelligence, what is an AI techniqu, criteria for success, Problems, problem spaces and search, Production system, Problem characteristics, Hill-climbing, Best-First search, AO algorithm, constraint satisfaction.

UNIT-II

Natural language Processing, Introduction, overview of linguistics, Grammars and language, Basic Parsing techniques, Semantic analysis and representation, structure, Natural Language generation, Natural Language systems (Chapter 12, Dan w Paterson).

UNIT-III

Knowledge Representation Issues, Approaches to knowledge Representation, Representing simple facts in logic, computable functions and predicates, Procedural vs declarative knowledge, forward vs Backward Reasoning matching, control knowledge.

UNIT-IV

Expert systems, Rule-Based system architecture Non-production system Architecture, dealing with uncertainty, knowledge acquisition and validation, knowledge system Building tools. (Chapter 15, Dan W Patterson).

UNIT-V

Pattern Recognition, Recognition and classification process, learning classification Patterns, Recognizing and understanding speech.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Third Semester

OBJECT ORIENTED PROGRAMMING USING C++

(Syllabus)

UNIT-I

PRINCIPLES OF OBJECT-ORIENTED PROGARAMMING: Object-Oriented Programming Paradigm, Basic Concepts of Object- Oriented Programming, Benefits of OOPs, Object-Oriented Languages, Applications of OOP, C++ Statements, Class, Structure of C++, Program, Creating the Source File, Compiling and Linking.

UNIT-II

TOKENS, EXPRESSIONS AND CONTROL STRUCTURES: Introduction Tokens, keywords, Identifiers, Basic Data types, User Defined Data Types, Derived Data Types, Symbolic Constants, Type Compatibility, Declaration of Variables, Dynamic Initialization of Variables, Reference Variables, Operators in C++, Scope Resolution Operator, Member Dereferencing Operators, Manipulators, Type Cast Operator, Expressions and Implicit Conversions, Operator Precedence, Control Structures.

UNIT-III

CLASSES AND OBJECTS: Specifying a class, Defining Member Function, making an Outside Function Inline, Nesting of Member function, private member function, Arrays within a class, Memory Allocation for Objects, Static Data Member, Static Member Functions, Arrays of Objects, Object as Function Arguments. CONSTRUCTORS AND DESTRUCTORS: Introduction, Constructors, parameterized Constructors, Multiple Constructors with Default Arguments, Dynamic Initialization of Objects, Copy Constructors, Dynamic Constructors and Destructor.

UNIT-IV

FUNCTIONS IN C++: The Main Function, Function Prototyping, call by Reference, Return by reference, Inline Functions, Default Argument, Const. Arguments, Function Overloading, Friend and Virtual Function. OPERATOR OVERLOADING AND TYPE CONVERSIONS: Introduction, Defining Operator Overloading, Overloading Unary Operators, Overloading Binary Operators Using Friends, Manipulation of strings using operators, Rules for Overloading Operators, Type conversions.

UNIT-V

INHERITANCE: EXTENDING CLASSES: Introduction, Defining Derived Classes, Single Inheritance Making a Private Member Inheritable, Multilevel Inheritance, Multiple Inheritance, Hierarchical Inheritance, and Hybrid Inheritance. POINTERS, VIRTUAL FUNCTIONS AND POLYMORPHISM: Compile time Polymorphism, run time polymorphism, Pointers to Objects, This Pointer, Pointers to Derived Classes, Virtual Functions, Pure Virtual Functions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Fourth Semester

ADVANCED .NET PROGRAMMING

(Syllabus)

UNIT : 1

HTML - Concepts of Hypertext, Versions of HTML, Elements of HTML syntax, Head & Body Sections, Building HTML documents, Inserting texts, Images, Hyperlinks, Backgrounds and Colour controls, Different HTML tags, Table layout and presentation, Use of front size & Attributes. List types and its tags, Use of Frames and Forms in web pages, ASP & HTML Forms.

UNIT : 2

Overview of C#, C# and .NET, similarities & differences from JAVA, Structure of C# program. Language features: Type system, boxing and unboxing, flow controls, classes, interfaces, Serialization and Persistence, Serializing an Object, Deserializing an Object. Delegates and Reflection.

UNIT : 3

Overview of Dynamic Web page, introduction & features of ASP.NET, Understanding ASP.NET Controls, Applications, Web servers, installation of IIS. Web forms, web form controls -server controls, client controls. Adding controls to a web form, Buttons, Text Box , Labels, Checkbox, Radio Buttons, List Box. Adding controls at runtime. Running a web Application, creating a multiform web project. Form Validation: Client side validation, server Side validation, Validation Controls : Required Field Comparison Range. Calendar control, Ad rotator Control, Internet Explorer Control.

UNIT : 4

Overview of ADO.NET, from ADO to ADO.NET. ADO.NET architecture, Accessing Data using Data Adapters and Datasets , using Command & Data Reader, binding data to data bind Controls, displaying data in data grid. XML in .NET, XML basics, attributes, fundamental XML classes: Document, text writer, text reader. XML validations, XML in ADO.NET, The XML Data Documents.

UNIT : 5

Web services: Introduction, State management- View state, Session state, Application state. SOAP, web service description language, building & consuming a web service. Web Application deployment. Caching. Threading Concepts, Creating Threads in .NET, managing threads, Thread Synchronization, Security features of .NET, Role based security & Code access security, permissions,

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Fourth Semester

ENTERPRISE RESOURCE PLANNING

(Syllabus)

UNIT : 1

Introduction to ERP: Evolution of ERP – What is ERP ? – Characteristics of ERP – Features of ERP– Need for ERP- Benefits of ERP – Enterprise – an Overview – ERP and related Technologies : Business Process Reengineering – Management Information System – Decision Support System – Executive Information System – Data Warehousing – Data Mining– On-line Analytical Processing(OLAP) – Supply Chain Management.

UNIT : 2

ERP- A Manufacturing perspective: Introduction - CAD/CAM - Materials requirement planning- Bill of Material - Closed loop MRP Manufacturing resource planning –Distribution requirements planning- Production data management - Data management – Process management - Benefits of PDM. ERP Modules: Finance management –manufacturing management - Plant maintenance –Quality management –Materials management –Human resources –Sales and distribution.

UNIT : 3

ERP Market: SAP AG –Baan company –Oracle corporation –People soft –JD Edwards world solution's company –QUAD –System software associates Inc. (SSA). ERP Implementation life cycle: Pre evaluation screening –Package evaluation –Project planning phase –Gap analysis – Re-Engineering –Configuration –Implementation team training –Testing - End –user training – Post Implementation.

UNIT : 4

Selection of ERP: Difficulty in selecting ERP –Approach to ERP selection –"Request For Proposal" approach –Proof of Concept (POC) approach - application of POC approach – Comparison of RFP and POC approach –Analytic Hierarchy Process approach - application of AHP in evaluation of ERP - Vendor , Consultants and Users –Future directions in ERP.

UNIT : 5

Technologies in ERP Systems and Extended ERP, Case Studies Development and Analysis of ERP Implementations in focusing the various issues through Soft System approaches or qualitative Analysis tools, Learning and Emerging Issues, ERP and E-Commerce. ERP Resources on the Internet.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Fourth Semester

E-TECHNOLOGIES

(Syllabus)

UNIT : 1

Introduction to Electronic Commerce: Electronic Commerce– Business Models, Revenue Models, and Business Processes – Economic Forces and Electronic Commerce – Identifying Electronic Commerce Opportunities – International Nature of Electronic Commerce.

Technology Infrastructure: The Internet and the Word Wide Web– Internet and World Wide Web – Packet – Switched Networks – Internet Protocols – Markup Languages and the Web – Intranets and Extranets – Internet Connection Options - Internet and The Semantic Web.

The Environment of Electronic Commerce: Legal, Ethical and Tax issues.

UNIT : 2

Selling on the Web: Revenue Models and Building a Web Presence – Marketing on the Web - Business– to – Business Strategies: From Electronic Data Interchange to Electronic Commerce –Online Auctions, Virtual Communities and Web Protocols: – Auction Overview – Online Auctions and Related Business – Virtual Communities and Web Portals.

UNIT : 3

Web Server Hardware and Software: – Software for Web Servers – Electronic Mail (E-Mail) – Web Site and Internet Utility Programs – Web Server Hardware. Electronic Commerce Software: Basic Functions of Electronic Commerce Software –Advanced Functions of Electronic Commerce Software – Electronic Commerce Software for Small and Midsize Companies – Electronic Commerce Software for Midsize to Large Businesses – Electronic Commerce for Large Businesses. Electronic Commerce Security: -Payment Systems for Electronic Commerce-Planning for Electronic commerce.

UNIT : 4

E- Marketing: Traditional Marketing – Identifying Web Presence Goals – The Browsing Behavior Model – Online Marketing – E-Advertising -Internet Marketing Trends – Target Markets – E-Branding – Marketing Strategies. - E-security – E-Payment Systems: E-Customer Relationship Management: E Supply Chain Management.

UNIT : 5

E-Strategy: Information and Strategy – The Virtual Value Chain – Seven Dimensions of E-Commerce Strategy – Value Chain and E-Strategy – Planning the E-Commerce Project – E – Commerce Strategy and Knowledge Management – E-Business Strategy and Data are housing and Data mining. Mobile Commerce:– Wireless Applications – Technologies for Mobile Commerce– WAP Programming Model – Wireless Technologies – Different Generations in Wireless Communication – Security issues Pertaining to Cellular Technology –M-Commerce in India. Customer – Effective Web Design:-Legal and Ethical Issues.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Fourth Semester
MOBILE COMPUTING
(Syllabus)

UNIT : 1

Introduction, Wireless Transmission and Medium Access Control: Applications, A short history of wireless communication. Wireless Transmission: Frequency for radio transmission, Signals, Antennas, Signal propagation, Multiplexing, Modulation, Spread spectrum, Cellular systems. Medium Access Control: Motivation for a specialized MAC: Hidden and Exposed terminals. Near and Far terminals; SDMA, FDMA, TDMA: Fixed TDM , Classical Aloha, Slotted Aloha, Carrier sense multiple access, Demand assigned multiple access, PRMA packet reservation multiple access, Reservation TDMA, Multiple access with collision avoidance, Polling, Inhibit sense multiple access; CDMA: Spread Aloha multiple access.

UNIT : 2

Telecommunication, Satellite and Broadcast Systems: GSM: Mobile services, System architecture, Radio interface, Protocols, Localization And Calling, Handover, security, New data services; DECT: System architecture, Protocol architecture; ETRA, UMTS and IMT-2000: UMTS Basic architecture, UTRA FDD mode, UTRA TDD mode, Satellite Systems: History, Applications, Basics: GEO, LEO, MEO; Routing, Localization, Handover, Examples Broadcast Systems: Overview, Cyclic repetition of data, Digital audio broadcasting: Multimedia object transfer protocol; Digital video broadcasting.

UNIT : 3

Wireless LAN and ATM: Infrared vs. Radio transmission, Infrastructure and Ad hoc Networks, IEEE 802.11: System architecture, Protocol architecture, Physical layer, Medium access control layer, MAC management, Future development; HIPERLAN: Protocol architecture, Physical layer, Channel access control. Sublayer, Medium access control Sublayer, Information bases And Networking; Bluetooth: User scenarios, Physical layer, MAC layer, Networking. Security, Link management. Wireless ATM: Motivation for WATM, Wireless ATM working group, WATM services, Reference model: Example configurations, Generic reference model; Functions: Wireless mobile terminal side, Mobility supporting network side; Radio access layer: Requirements, BRAN; Handover: Handover reference model, Handover requirements, Types of handover, Handover scenarios, Backward handover, Forward handover; Location management: Requirements for location management, Procedures and Entities; Addressing, Mobile quality of service, Access point control protocol.

UNIT : 4

Mobile Network and Transport Layers: Mobile IP: Goals, assumptions and requirements, Entities and Terminology, IP packet delivery, Agent advertisement and discovery, Registration, Tunneling and Encapsulation , Optimizations, Reverse tunneling, Ipv6; Dynamic host configuration protocol, Ad hoc networks: Routing, Destination sequence distance vector, Dynamic source routing, Hierarchical algorithms, Alternative metrics, Mobile Transport Layer: Traditional TCP: Congestion control, Slow start, Fast retransmit/fast recovery, Implications on mobility; Indirect TCP, Snooping TCP, Mobile TCP, Fast retransmit/fast recovery, Transmission/time-out freezing, Selective retransmission, Transaction oriented TCP.

UNIT : 5

Support for Mobility: File systems: Consistency, Examples; World Wide Web: Hypertext transfer protocol, Hypertext markup language, Some approaches that might help wireless access, System architectures; Wireless application protocol: Architecture, Wireless datagram protocol, Wireless transport layer security, Wireless transaction protocol, Wireless session protocol, Wireless application environment, Wireless markup language, WML script, Wireless telephony application, Examples Stacks with Wap, Mobile databases, Mobile agents.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc. CS-Fourth Semester

OBJECT ORIENTED ANALYSIS AND DESIGN USING UML

(Syllabus)

UNIT : 1

Introduction: Two views of software Developments: SSAD and OOAD, Why Object – Orientation? Object and classes, Abstraction and encapsulation, Methods and Message, Interfaces, Inheritance and Polymorphism, Access Control, The Business case for OO Developments.

Object Oriented Methodologies: Object Oriented Design–Booch, Object Modeling Techniques-Rumbaugh, Object – Oriented Analysis–Coad- Yourdan, Object–Oriented Software Engineering – Ivar Jacbson,

UNIT : 2

Unified Approach: Diagramming and Notational Techniques using the UML, UML Notation, {Analysis Diagramming Techniques.} == Introduction to all (ten) Diagram, {Design Diagramming Techniques},Generalization / Specialization., Aggregation and composition, Association , Cardinality, Navigability, Icons , relationships and adornments.

Object-Oriented Systems Development Process: Rational Unified Process, Four Major phases:
Inception , Elaboration, Construction, Transition, Requirements Engineering: Problem analysis,
Understanding Stockholders need, Type of requirements, Use-case Model : Writing Requirements

UNIT : 3

Analysis: Behavioral Analysis, Domain Analysis or Business Object Analysis, Use-case Driven Object Oriented analysis: The UML approach., Develop use-case Model, Usecase Description, Documentation, Activity Diagram, Identify the classes., Introduction to different approaches for identifying classes, “Noun Phrase” approach OR ,“Conman Class Pattern” approach Or, “CRC” approach Or, Usecase Driven Approach. Containment and Composition, Aggregation, Inheritance, Sub Types and IS-A Hierarchies, Association and Link Relationships, Diagramming
System Events.

UNIT : 4

Design Phases: Translating Analysis Concept into Design, Optimizing classes and Objects: The Multi-tiered Architecture View, ,Mapping System functions to objects., Object to Object Visibility, Collaboration Diagram, Sequential Diagram, Specification Class Diagram, Specifying Object Interfaces, Designing the Data Access layer, Design User Interface layer, Designing System Interfaces, Controls and Security.

UNIT : 5

Design Refinement : Designing for Extensibility, Design for reusability, Portioning class space, Checking Completeness and correctness. Persistent Object and Database Issues: The Cood Data Management Domain, Object Persistence, Object-oriented Database Management System, Object- Oriented verses Relational Database, Mapping object to Relational Data structure.

Testing: Introduction to Testing Strategies, Impact of Object Orientation on Testing. Testing Business Process, Design Matrix, Discovering reusable pattern.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) First Year
Fundamentals of Maharishi Vedic Science
(Maharishi Vedic Science – I & II)
Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) First Year

PHILOSOPHICAL FOUNDATION OF EDUCATION

(Syllabus)

UNIT : I

1. Meaning, Definition, Scope & Importance of Philosophy.
2. Relationship between Philosophy & Education.

UNIT : II

1. Main Indian school of Philosophy & their Educational Implication on Education.
    - Sankhaya Philosophy
    - Nayaya Philosophy
    - Vedant Philosophy
    - Buddhism
    - Jainism
2. In context of Maharishi Mahesh Yogi Ji Knowledge :-
    - Sankhaya Philosophy
    - Nayaya Philosophy
    - Vedant Philosophy

UNIT : III

Naturalism	:	Russeau
Idealism	:	Socrates, Plato
Pragmatism	:	John Dewey
Realism	:	Aristotle

UNIT : IV

Educational Thinkers & their Contribution :

- Swami Vivekanand
- Ravindra Nath Tagore
- Mahatma Gandhi
- Aurobindo

UNIT : V

Education & Indian Constitution :

Freedom, Equality, Democracy & Responsibility

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) First Year

PSYCHOLOGICAL FOUNDATION OF EDUCATION

(Syllabus)

UNIT : I

Educational Psychology : Concept, Meaning, scope & Aims of Educational Psychology.

School of Psychology :

1. Behaviourism,
2. Gestaltism,
3. Psycho-Analysis.

UNIT :II

Learning – Concepts, factors Influencing and Theories of Learning :

1. Classical Conditioning
2. Operant Conditioning
3. Hull's theory
4. Insight Theory
5. Field Theory

UNIT : III

Creativity : Meaning, Definition, levels &Abilities involved in creativity. Measurement of creativity :

1. Torrance Test of Creativity
2. Baqer Mehandi Test of creativity
3. Passi Test of Creativity

UNIT : IV

Personality :

Personality : Meaning, Definition, Nature & Factors influencing personality :

1. Psychoanalytic theories of personality
2. Trait theory of personality
3. Personality Tests

UNIT : V

Exceptional children : Meaning, Definition & Types of exceptional Children, Gifted Children, Backward Children, Mentally Retarded Children, Slow learner Children, Learning Disabled Children.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) First Year

EDUCATIONAL TECHNOLOGY AND MANAGEMENT

(Syllabus)

UNIT : I

Educational Technology

Definition of Educational Technology : Hardware Technology and Software Technology: Their Role in Modern Educational Practices. Hardware Technologies : Important Accessories and Their Application. T.V., Computer and new Technologies. Computer Assisted Learning /Instruction and Laboratory. Teaching Strategies Methods and Tactics of Educational Technology. Models of Teaching. Levels of Organizing Teaching. Managing Teaching Learning. Techniques of Modification of Teacher's Behaviour.

UNIT : II

Psychological Uses of Modern Technology

Modern Technology and Psychological Uses. Programmed Learning or Instruction.

UNIT : III

Guidance and Counseling

Guidance and its Need or Rationale. Educational Guidance. Vocational Guidance. Counseling and its Types: The Counselor. Organization of School Guidance Services and Community Resources for Guidance. Career Guidance Services. Personal Guidance and Referral Service.

UNIT : IV

Management in Education and Allied Activities

Management in Education. School Management. Management of Human Resources in School Human Relations. Management of Human Resources : Time Table. Management of Material and Physical Resources. Management of Curriculum. Co-curricular Activities. Managing School Discipline. Punishments and rewards in Managing Discipline. Discipline and Self-government in Schools. Developing Performance Profile of an Institution. School Records in Managing Human, Material and Physical Resources. Educational Initiations/Innovations and Trends : Their Implication.

UNIT : V

Evaluating Institutional performance and Accountability

Evaluating Institutional Performance. Pupil Evaluation. Traditional Educational Achievement Examination. Teacher Evaluation. Accountability in School Education, Norms and Ethics or Code of Conduct. Action Research. Health Education.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) First Year

ADVANCED RESEARCH & STATISTICS

(Syllabus)

UNIT : I

Nature of Research Knowledge and Inquiry. Scientific inquiry; Scientific Method, nature and source of knowledge. Paradigm, theory, model and approach: positivist and non positivist (humanities) paradigms and their implications for educational research.

Educational Research – Meaning, nature, need, scope and basic assumptions; Levels of research-basic, action and applied, quantitative and qualitative, ethnographic and phenomenological, History of development of educational research. Philosophical, Psychological and Orientation in Education Research, inter-disciplinarily in Educational Research and its implications.

Basic Elements of Research: Problem and Variable; types of variables- their characteristics and relations.

Methods of Educational Research; Experimental, Normative Survey, Historical, Case Study, Ethnographic, Documentary, Analysis.

UNIT : II

Developing a Research Proposal: Format of a Research Proposal, Selection of a problem Sources, Criteria and practices for selecting, identifying and defining a problem, Objectives – Primary, Secondary and Concomitant: Review of Related Literature: Hypothesis- Nature, definition, types, sources, characteristics of a good hypothesis, Directional and Non-directional Hypothesis.

Sampling: Population and sample; sampling techniques, probability and non-probability sampling. Characteristics of a good sample: Use of Table of Random numbers, Sampling error and method of reducing it.

UNIT : III

Tools and Techniques of Data Collection and their uses – questionnaire, schedules, Rating Scales, Attitude Scales projective and sociometric measures; observation, Interview, Semantic differential. Characteristics of a good research tool- Reliability, Validity, Objectivity, Usability, Norms.

Research Report – Significance and mechanism-format, chapterization, language and style, features of scientific writing and their implications for researches and practitioners; bibliography and References.

Evaluation of Research report.

UNIT : IV

Nature of Educational Data: Qualitative and Quantitative. Qualitative Data: Its analysis with emphasis on content analysis: analysis of Interview based and observation based data. Quantitative Data: Scales of Measurement: Nominal, Ordinal, Interval, Ratio. Use of computer in data analysis.

UNIT : V

Graphical representation of data, Measures of Central Tendency (Mean, Median, Mode): Measures of Variability (Range, Quartile deviation, Average deviation, Standard deviation) Measures of Relative Position (Percentile and Percentile Ranks), Measures of Association: Linear correlation biserial, Point biserial, Tetra choric and Phi-co-efficient. Partial Correlation, Regression Prediction.

Normal distribution characteristics & application. Inferential Statistics : parameter and statistics, concept of standard error of statistical measures.

Parametric and Non parametric Techniques :

Parametric : t-test, one way analysis of variance (ANOVA), Testing of difference between correlations.

Non parametric : Sign, Median and chi-square Tests.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year
Fundamentals of Maharishi Vedic Science
(MAHARISHI VEDIC SCIENCE – I & II)
Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda
Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan
Introduction to Maharishi Vedic Management
Fundamental Elements of Vedic Management:- Totality
Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)
Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.
Maharishi Absolute theory of Development.
Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

COMPUTER EDUCATION

(Syllabus)

UNIT:1

Basics of Computer Hardware. Computer: Structure, block diagram. Working of: Input Devices, Processing, Devices, Output Devices. Memory Devices : Primary - RAM, ROM. Secondary - HDD, FDD, CD-ROM. Auxiliary Memory . Emerging Computer Hardware Technologies.

UNIT:2

Software Applications. Application Software : Meaning, Classification. System Software: Meaning, Classification (DOS, WINDOWS in Detail). Documentation Preparation making of synopsis, Cover page, report writing by using Word Processing (Ms-Word and PageMaker). Use of Spreadsheet (Excel, SPSS): - Data Entry, Data Analysis, Charts, Graphs, Computers in data analysis, Statistical Package. Presentation Software: - Power Point Presentation of Report.

UNIT:3

Computer in Education: Computer Aided Instruction. CAI: - Meaning, Modes. Advantages and disadvantages of Computer Aided Instruction. Multimedia: Meaning, use of multimedia CD-ROM's for educational Purposes. Use of Multimedia in Education.

UNIT:4

Internet: Meaning, History, Working, Educational uses of the Internet including: educational web sites & resources; Downloading information; understanding the basis of Hypertext Mark Up Language (HTML); Internet Service Providers (ISPs) Surfing the Internet: Searching, Connecting, Communicating, Downloading Web Education. Electronic Mail: Application and usages of E-mail.

UNIT:5

Data Communication and Networks: communication channels –twister, coaxial, fiber, optic. Types of Networks –LAN, WAN, MAN etc, Topologies of LAN –Ring, BUS, STAR, MESH and TREE topologies , components of LAN-media , NIC,NOS, Bridges, HUB, Routers Repeater and Gateway. Computer virus: Virus working principles, types of viruses, virus detection and prevention, viruses on networks. Use of communication and IT in daily life. An Introduction: Modern Science and Vedic Science, Unified Field based Computer Science.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

CONTEMPORARY ISSUES IN INDIAN EDUCATION

(Syllabus)

UNIT:1

Education in India during:

- Vedic
- Buddhistic
- Medieval period

Development of Education in India

- Maculay's minutes and Bentick resolution and Adam's Reports.
- Wood's Despatch of 1854.
- Lord Curzen's education policy & National Consciousness.
- National Education Movement.

UNIT:2

History of Education in India: Pre Independence era

- Indian Education Commission, 1882.
- Calcutta University Commission, 1917-1919.
- Wardha Scheme of Education, 1937.

UNIT:3

Contemporary Issues in Indian Education in a Global Perspective highlighting the UNESCO's Current Concerns in respect of the following:

- Concept of Universalization of Elementary Education.
- Related Issues of Universalization: Provision, Enrolment and Retention/completion rates in

elementary education.

- Programmes for achieving the objectives of Universalisation of Elementary Education.
- Vocationalisation of secondary education.
- District Primary Education Projection (DPEP).
- Sarva Shiksha Abhiyan.
- National Programme of Nutritional Support to Primary Education (NPNSPE) or Midday Meals.
- National Programme of Education of Girls at Elementary Stage Scheme (NPEGESS).
- Kasturba Gandhi Balika Vidyalaya Scheme (KGBVS).

UNIT:4

History of Education in India: Post Independence era:

- University Education Commission (1948-49).
- Secondary Education Commission, (1952-53).
- Indian Education Commission (1964-66).
- National Policy of Education, 1986.
- Ramamurti Committee.
- Revised National Policy, 1992.

Diverse Issues in Education:

- Education and Employment.
- Computer Education in Schools.
- Issues relating to quality in education and excellence.
- Educational Programmes for disabled children.

UNIT:5

Contemporary Issues in Indian Education in Global Perspective:

- Issues pertaining to Distance Education and open learning system.
- Issues relating to medium of instruction three language formula.
- Issues in respect of emotional integration and International Understanding in the context of Globalization.
- Education and Democracy.
- Constitutional Provisions for Education.
- Learning Without burden–Yashpal Committee 1993..
- National Curriculum Framework for School Education 2000 & National Curriculum Framework 2005.
- Educational Reforms in India in 21st Century.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

CURRICULUM DEVELOPMENT AND COMPARATIVE EDUCATION

(Syllabus)

UNIT : 1

Concept, aims and scope of Comparative Education. History and Developmental Stages of Comparative Education. Factors influencing of Education System and Comparative Education. Approaches to Comparative Education: Historical, Philosophical, Sociological and Problem Approach. Concept of Universalization, its implications for Indian Education.

UNIT : 2

Primary Education in U.S.A., U.K. and India (Aims, Content, Methods & Instruction and Evaluation System). Secondary Education and its Vocationalization in U.K, U.S.A., Russia and India. Higher Education in U.K., U.S.A. & India. Distance Education: its needs and various concepts with reference to U.K., Australia & India.

UNIT : 3

Educational Administration in U.K., U.S.A. and India. Teacher Education Programmes in U.K., U.S.A., Russia & India.

UNIT : 4

Concept of Curriculum, difference between syllabus and curriculum concept of Emerging, Hidden and Irrelevant Curriculum. Considerations for Curriculum Planning: Philosophical, Psychological, Sociological & Discipline Oriented.

UNIT : 5

Different Models of Curriculum Development: Administrative Model, Grassroot Model, Demonstration Model and system Analysis Model. Concept of Curriculum Development, Different categories & Types of Curriculum.

Concept, Need and importance of Curriculum Evaluation. Concept of Formative & Summative Evaluation, Interpretation of evaluation results According to marks, rating and Grades.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

DISTANCE EDUCATION

(Syllabus)

UNIT : 1

Distance Education and its development

(a) Some definitions and teaching Learning components.

(b) Need and characteristic features of Distance Education.

(c) Growth of Distance Education.

(d) Distance Teaching-Learning systems in India.

UNIT : 2

Intervention strategies at a distance

(a) Information and Communication Technologies and their application in Distance Education.

(b) Designing and preparing self-instructional material.

(c) Electronic media (T.V.) for Education

(d) Distance Education.

UNIT : 3

Learning at a distance-I

(a) Student-support-services in Distance Education and their management.

(b) Technical and vocational programmes through Distance Education.

UNIT : 4

Learning at a distance-II

(c) Programmes for women through Distance Educaton.

(d) Distance Education and Rural Development.

UNIT : 5

Quality Enhancement and Programme Evaluation

(a) Quality assurance of Distance Education

(b) Mechanisms for maintenance of standards in Distance Education

(c) Programme evaluation.

(d) Cost analysis in D.E.-concept, need and process.

(e) New Dimensions in Distance Education-promises for the future.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

EDUCATIONAL & VOCATIONAL GUIDANCE

(Syllabus)

UNIT : 1

Guidance – Concept, Importance and Bases

- Development of Guidance
- Principles of Guidance

Areas of Guidance

- Educational Guidance
- Vocational Guidance
- Personal Guidance

UNIT : 2

Guidance Services in Schools

- Need and Principles of organizing guidance functions in schools
- Mechanism of organizing guidance functions in school
- Job Analysis – Meaning, Types and Purposes of Job Analysis
- Follow up Service – Meaning, purposes and characteristics

UNIT : 3

- Study of the individual, data collection Techniques of Information. Standardized and Non- Standardized Techniques: Anecdotal Records, Biographies, Rating Scale, Case Study, Sociometry, Questionnaire, Observation, Interview and Cumulative Records.

UNIT : 4

Group Guidance

- Meaning and need of Group guidance
- Objectives and principles of Group guidance.
- Kinds of group guidance
- Scope and problems of group guidance
- Tools and Techniques of group guidance

Social Guidance

- Meaning, Objectives and need of social guidance
- Functions of social guidance
- Guidance of Exceptional children (Physically Handicapped, Gifted Children with behavioural problems)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

UNIT : 5

Concept of Counselling

- Meaning and definition of counselling
- Characteristics of counselling
- Field of counselling
- Procedure of counselling
- Techniques of counselling

Theories of counselling

- Directive counselling – Concept, procedure, advantages, limitations.
- Non-directive counselling – Concept, procedure, advantages, limitations
- Eclectic counselling – Concept, procedure, advantages, limitations.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

EDUCATIONAL ADMINISTRATION AND MANAGEMENT

(Syllabus)

UNIT-I

- Meaning, Nature and Scope of Educational Administration, Relationship among Management, Administration, Supervision and Planning.
- Specific Trends in Educational Administration:
- Decision Making
- Organizational Compliance
- Organizational Development
- PERT

UNIT-II

- Meaning and Nature of Educational Planning
- Approaches to Educational Planning
- Meaning and Nature of Educational Supervision, Supervision as:
- Service Activity
- Process
- Function

UNIT-III

- Development of Modern concept of Educational Administration from 1990 to present day.
- Taylorism
- Administration as a process
- Human relations approach to Administration
- Meeting the psychological needs of Employees

Unit-IV

- Meaning and Nature of Leadership
- Theories of Leadership
- Styles of Leadership
- Measurements of Leadership

Unit-V

- Perspective Planning
- Institutional Planning
- Modern Supervision and Functions of Supervision
- Planning, Organizing and Implementing Supervisory Programmes

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

ENVIRONMENTAL EDUCATION

(Syllabus)

UNIT : 1

- Introduction to Environmental Education: Concept, Importance and Scope.
- Concept and Types of Ecosystem
- Food Chain and Food Web.
- Aims and Objective of Environmental Education.
- Guiding Principles and Foundations of Environmental Education.

UNIT : 2

- Environmental Pollution: Air, Water, Soil and Noise and Radioactive Pollution.
- Extinction of Flora and Fauna, Deforestation and Soil Erosion.
- Importance of Environmental Conservation and Strategies for Environmental Conservation.

UNIT : 3

- Meaning, Importance and Components of Responsible Environmental Behaviour among Teachers and Students.
- Importance of Environmental Awareness, Environmental Attitude, Environmental Sensitivity and Environmental Action Strategies for Teachers and Students.

UNIT : 4

- Relationship between Man and Environment.
- Effect of Man Made and Natural Disaster on Environment.
- Role of Educational Institutions in Disaster Management.
- Features of Curriculum for Environment Education.
- Special Nature of Curriculum on Environment Education.
- Programmes of Environment Education for Primary, Secondary and Higher Education Institutions.

UNIT : 5

- Interdisciplinary and Integration Approaches for Teaching Environment Education.
- Methods of Teaching Environment Education, Discussion, Seminar, Workshop, Dialogue, Problem Solving, Field Survey, Projects, Exhibition and Experimental Learning.
- Role of Media: Print, Films and T.V. for Imparting Environment Education.
- Global Environment Problems: Global warming, Ozone Depletion, e-waste and Population Explosion.
- Waste Management: e-waste, Medical Waste, Nuclear Waste, Solid and Liquid Waste.
- Comparative Study of Environmental Projects from Various countries.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

SPECIAL EDUCATION

(Syllabus)

UNIT : 1

Concept of Exceptionality

- Positive, Negative and Multiple Deviations
- Needs & Problems of Exceptional Children

Nature of Special Education

- Objectives
- Historical perspectives
- Continuum of Special Education alternative programmes.
- School of Integrated/Inclusive Education : Organisation and Management

UNIT : 2

Education of Orthopaedically Handicapped

- Concept
- Types of Handicap
- Characteristics
- Educational Programmes

Education of Mentally Retarded

- Concept
- Classification
- Etiology
- Educational Programmes for Trainable Mentally Retarded
- Educational Programmes for Educable Mentally Retarded
- Management of Behaviour Problems prominent in Severe & Profound Retardation

UNIT : 3

Education of Visually Impaired

- Characteristics
- Degree of Impairment
- Etiology and Intervention
- Educational Programmes

UNIT : 4

Education of Hearing Impaired

- Characteristics
- Degree of Impairment
- Etiology
- Educational & Intervention Programmes

Education of Learning Disabled

- Characteristics
- Types
- Identification
- Educational and Intervention Programmes

UNIT : 5

Education of Gifted, Creative and Juvenile Delinquents

- Juvenile Delinquents
- Characteristics
- Identification
- Problems
- Educational Programmes

Guidance and Counselling of Exceptional Children

- Meaning & Need
- Role of Teachers & Other specialists

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA(Education) Final Year

TEACHER EDUCATION

(Syllabus)

UNIT : 1

Teacher Education: Concept and historical perspectives, Recommendations of various commissions on teacher education with special emphasis on Kothari Commission and NPE 1986 and 1992

Aims and Objectives of Teacher Education

Elementary Level, Secondary Level, College Level

UNIT : 2

Teaching as a profession, Professional Organization for various levels of Teachers and their role, Faculty Improvement, Performance appraisal of teachers, Internship in Teacher Education, Pre-service Teacher Education, In-service Teacher Education, Distance Education and Teacher Education, Orientation and Refresher Courses.

UNIT : 3

Preparing teachers for special schools, Implementation of curricula of teacher education at various levels, Various agencies of teacher education, Teacher education and other institutions.

UNIT : 4

Instructional Strategies in Teacher Education

Lecture strategy, Discussion, Brain storming, Supervised study, Individualized study, Simulation, Action Research.

UNIT : 5

Areas of research in Teacher Education with special emphasis on

Teacher effectiveness, Criteria of admission, Modification of teacher behavior, School effectiveness, Future of teaching as a profession, Current problems of teacher education and practicing schools.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Yog Praman Patra

महर्षि योग (सिद्धान्त)

(Syllabus)

इकाई 1

महर्षि योग का सामान्य परिचय। योग शब्द का अर्थ एवं परिभाषा। भावातीत ध्यान – स्वरूप। यौगिक उड़ान – स्वरूप। योग के प्रकार एवं उनकी विशेषताएँ। योग की परम्परा। योग के आधारभूत ग्रंथों का परिचय। (पतंजलि योगदर्शनम्, हठयोगप्रदीपिका, घेरण्डसंहिता, योगवाषिष्ठ, गोरक्ष संहिता)

इकाई 2

यौगित सत्ता। सृष्टि एवं व्यक्ति का स्वरूप। द्वैतसिद्धान्त, प्रकृति और पुरूष का स्वरूप। सृष्टि का आरम्भ। तेईस तत्वों की उत्पत्ति, पुनर्जन्म एवं संसार चक्र। कैवल्यावस्था का वर्णन।

इकाई 3

मनोव्यवहार का यौगिक दृष्टिकोणद्ध। आधिभौतिक दुःख, आधिदैविक दुःख एवं आध्यात्मिक दुःख। चित्त की पाँच भूमियाँ एवं वृत्तियाँ। चित्त विक्षेप। चित्त निरोधक उपाय – अभ्यास एवं वैराग्य।

इकाई 4

प्रमाण के सिद्धांत। विद्या से बन्धन की प्राप्ति। योग के अभ्यास से अविद्या का नाश। विवेक या विवाद (भ्रम का सिद्धान्त) संयम से प्राप्त सिद्धियाँ एवं प्रकार।

इकाई 5

प्राणिधान एवं उसका स्वरूप। ओम् (प्रणव) का स्वरूप व योग में महत्व। चित्त प्रसन्न करने के लिए मैत्री आदि का महत्व कैवल्य का स्वरूप। जीवमुक्ति का स्वरूप एवं विशेषताएँ ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Yog Praman Patra

महर्षि योग (साधना)

(Syllabus)

इकाई 1

यम–अहिंसा, सत्य, अस्तेय, ब्रह्मचर्य, अपरिग्रह । नियम – शौच, संतोष, तप, स्वाध्याय, ईश्वरप्राणिधान । आसन – परिभाषा, स्वरूप एवं महत्व । प्राणायाम – पूरक, कुम्भक और रेचक । प्रत्याहार – स्वरूप ।

इकाई 2

धारणा–स्वरूप, प्रक्रिया । ध्यान–स्वरूप, प्रक्रिया । समाधि–प्रकार, सबीज एवं निर्बीज समाधि । संयम–स्वरूप । अष्ट सिद्धियाँ – अणिमा, महिमा, लधिमा आदि का स्वरूप एवं प्रभाव ।

इकाई 3

बन्ध– स्वरूप, महत्व एवं उपयोगिता । मुद्रा – स्वरूप, महत्व एवं उपयोगिता । षट्क्रिया – स्वरूप, महत्व एवं उपयोगिता । षट्चक्र– चक्रों के नाम स्थिति । कुण्डलिनी शक्ति का स्वरूप, स्थान एवं जागरण । नाड़ी शुद्धि, स्वरूप, प्रकार नाड़ियाँ एवं वायुओं का वर्णन ।

इकाई 4

यौगिक आहार– परिभाषा एवं महत्व, घटक एवं कार्य । आहार में उपयुक्त एवं वर्जित पदार्थ । यौगिक दिनचर्या । पचन संस्थान के अंग एवं पाचन की क्रिया । आँख, कान, घ्राण, त्वचा एवं स्वाद की इन्द्रियाँ तथा कार्य ।

इकाई 5

योगोपचार पद्धति का विकास । योगोपचार की विशेषताएँ । योगोपचार में आसन, प्राणायाम, मुद्रा, बन्ध, शुद्धि क्रियाओं एवं भावातीत ध्यान का महत्व ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Yog Praman Patra

महर्षि योग (क्रियात्मक)

(Syllabus)

इकाई 1

योग की प्रारम्भिक तैयारी, अभ्यास की मर्यादा, अभ्यास के लिए उपयुक्त स्थान, उपयुक्त पोशाक। अभ्यास का समय, अभ्यास का क्रम, अन्य व्यायामों के साथ योगाभ्यास का तालमेल। आसन – पद्मासन, सिद्धासन, सूर्यनमस्कार, पर्वतासन, गोरक्षासन, लोलासन, बकासन, मयूरासन, भुजंगासन, मकरासन, गर्भासन, तोलाँगलासन, आकर्णधनुरासन, एकपादशिरासन, वृश्रिकासन, जानुशिरासन, वातानासन, मत्स्येन्द्रसन, शशकासन, पादागष्ठासन, उत्तनकूमासन, शवासन, शीर्षासन, चक्रासन।

इकाई 2

प्राणायाम – पूरक, कुम्भक, रेचकः, सूर्यभेदन, उज्जायी, शीतली, सीत्कारी, भस्त्रिका।

इकाई 3

बन्ध – उडिडयन बन्ध, मूलबन्ध, जिह्य बन्ध, जालन्धर बन्ध, महाबन्ध। मुद्रा – महामुद्रा विपरीतकरणी, योगमुद्रा, अश्रिनीमुद्रा।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Yog Praman Patra

संस्कृत तथा महर्षि वेद विज्ञान

(Syllabus)

इकाई १

वेद विज्ञान का सामान्य परिचय। वेद विज्ञान का स्वरूप एवं विषय। अपौरूषेयता। भावातीत ध्यान एवं चेतना।

इकाई २

संहिता, ऋषि, देवता एवं छंद की अवधारणा। ऋग्वेद से उपनिषद् तक के क्षेत्रों का सामान्य परिचय। मन्त्रद्रष्टा ऋषियों के नाम। शरीर में इनके स्थान। आरण्यक से प्रातिशाख्य तक के क्षेत्रों का सामान्य परिचय। चेतना स्पन्दनों का गुण।

इकाई ३

निर्धारित विषयों के ग्रन्थों का आनपूर्वी पाठ।

इकाई ४

शब्दों का भेदात्मक परिचय, अकार-आकार-इकार-उकारान्त शब्दों का तीनों लिगों में रूप विवरण। (रामं-रमा-फल, हरि-मति-दधि, गुरू-वधु) । विशेषण शब्दों का परिचयर एवं भेद एवं कारक का सामान्य परिचय। अव्यय शब्दों का परिचय एवं भेद। सर्वनाम शब्दों का परिचय एवं युष्मद अस्मद् तत् शब्दों का रूप विवरण।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit First Year

Fundamentals of Maharishi Vedic Science

(Maharishi Vedic Science – I & II)

Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit First Year

वेद एवं वेदांग

(Syllabus)

इकाई–1

ऋग्वेद–सूक्त

यजुर्वेद के सूक्त

अथर्ववेद के सूक्त

इकाई–2

ब्राह्मण, आरण्यक तथा उपनिषद्

1. वाक् मनस संवाद–शतपथ ब्राह्मण 14.5.89.13
2. पुरुषविभूति–ऐतरेय आरण्यक 11.10
3. पंच महायज्ञ–तैत्तरीय आरण्यक 11.10

इकाई–3

निरुक्त (यास्क)–प्रथम एवं द्वितीय अध्याय

इकाई–4

ऋक्प्रातिशाख्य प्रथम पटल

पाणिनीय–शिक्षा

इकाई–5

वैदिकवाङ्मय का परिचय

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit First Year

व्याकरण भाषा विज्ञान एवं निबन्ध

(Syllabus)

इकाई–1

संज्ञा प्रकरण–सिद्धान्तकौमुदी

कारक प्रकरण–सिद्धान्तकौमुदी

(प्रथमा से तृतीया पर्यन्त)

इकाई–2

कारक प्रकरण सिद्धान्तकौमुदी

(चतुर्थी से सप्तमी तक)

इकाई–3

पालि

प्राकृत

इकाई–4

भाषाविज्ञान का स्वरूप, भाषा विज्ञान की शाखाएँ (भारोपीय)

भाषा परिवार

मध्यकालीन आर्य भाषाएँ (पालि, प्राकृत एवं अपभ्रंश)

इकाई–5

ध्वनि विज्ञान

अर्थ विज्ञान

वाक्य विज्ञान

संस्कृत में निबन्ध

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit First Year

भारतीय दर्शन

(Syllabus)

इकाई–1

तर्कभाषा–केशव मिश्र (प्रमाण्यवाद तक)

व्याख्या एवं समीक्षात्मक प्रश्न

इकाई–2

वेदान्तसार–सदानन्द

व्याख्या एवं समीक्षात्मक प्रश्न

इकाई–3

सांख्यकारिका–ईश्वरकृष्ण

व्याख्या एवं समीक्षात्मक प्रश्न

इकाई–4

मीमांसादर्शन–अर्थसंग्रह (श्री लौंगाक्षिभास्कर)

व्याख्या एवं समीक्षात्मक प्रश्न

इकाई–5

जैन, बौद्ध एवं चार्वाक दर्शन पर समीक्षात्मक प्रश्न

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit Final Year

ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit Final Year

भारतीय काव्यशास्त्र

(Syllabus)

इकाई–1

काव्यप्रकाश प्रथम उल्लास से चतुर्थ उल्लास रस भेद तक

इकाई–2

काव्यप्रकाश सप्तम उल्लास से रस दोष तथ अष्टम उल्लास

इकाई–3

नवम उल्लास एवं दशम उल्लास से अधोलिखित अलंकारों के लक्षण एवं उदाहरण ।
अनुप्रास, यमक, उपमा (भेद रहित), रूपक, निदर्शना, अपह्नुति, विभावना, विशेषोक्ति, उत्प्रेक्षा, अनन्वय, व्यतिरेक, दृष्टान्त, अर्थान्तरन्यास, स्वभावोक्ति, दीपक, विरोध, परिकर।

इकाई–4

काव्यालंकार प्रथम अध्याय – भामह काव्यालंकारसत्रवृत्ति प्रथम अधिकरण – वामन

इकाई–5

ध्वन्यालोक – आनन्दवर्धन प्रथम उद्योत

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit Final Year

दृश्यकाव्य एवं नाट्यशास्त्र

(Syllabus)

इकाई 1

नाट्यशास्त्र –भरतमुनि (अध्याय 1 एवं 2)

नाट्यशास्त्र –भरतमुनि (षष्ठ अध्याय)

इकाई 2

दशरूपक–धनजंय

प्रथम प्रकाश (संधिभेद छोड़कर)

दशरूपक–धनजंय

(द्वितीय एवं तृतीय प्रकाश)

(नायक एवं नायिका के सामान्य भेद, रूपक के प्रकार)

इकाई 3

मृच्छकटिक (व्याख्या 1 से 4 अंक)

इकाई 4

वेणीसंहार

(व्याख्या 1 से 4 अंक)

इकाई 5

रत्नावली

(सम्पूर्ण व्याख्या)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit Final Year

संस्कृति, धर्मशास्त्र एवं पुराणोतिहास

(Syllabus)

इकाई–1

कौटिल्य अर्थशास्त्र । विनयाधिकारिक प्रथम अधिकरण ।

इकाई–2

संस्कृति का अर्थ, परिभाषा, विशेषताएँ, संस्कृति के तत्व, भारतीय संस्कृति का विकास, संस्कृति और सभ्यता में अंतर, भारतीय संस्कृति का अन्य संस्कृतियों पर प्रभाव व सम्बन्ध।

मनुस्मृति – धर्म का लक्षण, धर्म के घटक, विवाह के भेद पुत्र के प्रकार, राजधर्म, सृष्टि प्रक्रिया संस्कार, राजव्यवस्था, उत्तराधिकार, वर्णाश्रम।

इकाई–3

संस्कृत साहित्य में समाज, जीवन मूल्य, राष्ट्रीयता, नवाचार (संस्कृत में अभिनव प्रयोग) तथा स्वतन्त्रता संग्राम।

आशकाव्य रामायण एवं महाभारत – (1) उत्तरवर्ती साहित्य पर प्रभाव (2) आधुनिक युग में प्रासंगिकता (3) मानवीय मूल्य (4) पर्यावरण चिन्तन

इकाई–4

पर्यावरण शब्द की व्युत्पत्ति , अर्थ, परिभाषा एवं महत्व, पर्यावरण के तत्व, पर्यावरण को क्षति पहुंचाने वाले घटक, पर्यावरण की प्राचीन अवधारणा, पर्यावरण संरक्षण के उपाय एवं संस्कृत साहित्य में पर्यावरण।

इकाई–5

इतिहास का स्वरूप, महत्व, स्त्रोत तथा इतिहास एवं पुराण में अतः सम्बन्ध। प्रमुख पुराणों का परिचय एवं प्रतिपाद्य। संस्कृत की प्रमुख पत्रिकाओं का परिचय।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MA Sanskrit Final Year

महाकाव्य

(Syllabus)

इकाई 1

शिशुपाल वध–प्रथम सर्ग माघ दो पद्यों की व्याख्या

इकाई 2

नैषधीयचरितम् – प्रथम सर्ग श्रीहर्ष (पद्य संख्या 01 से 75 तक दो पद्यों की व्याख्या)

इकाई 3

नैषधीयचरितम्– प्रथम सर्ग श्रीहर्ष (पद्य संख्या 76 से अन्त तक दो पद्यों की व्याख्या)

इकाई 4

रघुवंश त्रयोदश सर्ग – कालिदास (दो पद्यों की व्याख्या)

इकाई 5

महाकाव्य का स्वरूप, उद्भव और विकास अथवा इकाई एक से चार तक निर्धारित किसी एक महाकाव्य पर समीक्षात्मक प्रश्न

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA First Semester

Fundamentals of Maharishi Vedic Science

(Maharishi Vedic Science – I & II)

Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA First Semester

FUNDAMENTAL OF COMPUTER AND INFORAMATION TECHNOLOGY

(Syllabus)

UNIT-1

Introduction to computer and information technology : History of development of computers, computer system concept , characteristics, capabilities and limitation , types of computer –analog , digital , hybrid , general, special purpose, micro, mainframe, super , generation of computer , personal computer (PCs) –IBM PCs, characteristics , PC/PCXT/PCAT-configurations, Pentium and Newer PCs specification and main characteristics , types of PCs-Desktop, Laptop, Notebook, Palmtop , Workstation etc , their characteristics.

Computer Organizations and Working: Basic component of a computer system – control unit, ALU, INPUT /Output function and characteristics, memory –RAM, ROM, EPROM, PROM and other types of memory.

UNIT-II

Input Devices: Keyboard, Mouse, Trackball, Joysticks, Digitizing tablet, Scanner, Digital Camera, MICR, OCR, OMR, BAR-CODE Reader, Voice Recognition, Light Pen, and Touch Screen.

Output Devices: Monitor –characteristics and types of monitor –digital , analog size, resolution, refresh rate , Interlaced /Non Interlaced , Dot Pitch , Video Standard – VGA,SVGA,XGA etc, Printer –Daisy wheel, Dot Matrix, Inkjet , Laser , line printer , plotter , sound card and speakers.

Storage Devices: Storage Fundamental–Primary VS Secondary , Data Storage and Retrieval method –Sequential , Direct and Index Sequential , Various Storage Devices – Magnetic Tape ,Magnetic disks , Cartridge Tape , data drives, hard disk drives, floppy (Winchester disks), Disks , Optical Disks , CD,VCD,CD-R,CD-RW, ZIP Drive.

UNIT-III

Computer Software: Need, types of software –system software, application software, system software-operating system, utility program, programming Language, assemblers, compiler and interpreter.

Operating System: Function, types –batch, single, Multiprogramming, Multiprocessing. Programming languages- Machine, Assembly High Level, 4GL, their merit and demerits.

Application Software: Word –processing, spreadsheet, presentation graphics, data base management software, characteristics, user and example and area of application of each of them.

Number System: Data representation in computer, number system of computer – Binary, Octal, Hexa-Representation & their conversion, coding system –ASCII, BCD, EBCDIC etc.

UNIT-IV

Data Communication and Networks: communication channels –twister, coaxial, fiber, optic. Types of Networks –LAN,WAN,MAN etc, Topologies of LAN –Ring, BUS, STAR, MESH and TREE topologies, components of LAN-media, NIC,NOS, Bridges, HUB, Routers Repeater and Gateway.

UNIT-V

Computer virus: Virus working principles, types of viruses, virus detection and prevention, viruses on networks. Use of communication and IT in daily life.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA First Semester
PC PACKAGES
(Syllabus)

UNIT-I

Word-processing : MS-Word : Introduction to word processing, introduction to MS – Word: features, creating ,saving and opening document in word , interface , Toolbars , Ruler, Menus, Keyboard Shortcut, Editing a document – moving, scrolling in a document, opening multi document window, editing text selecting , inserting, delete , moving text, previewing document, printing document – Print a document from the standard toolbars, print a document from the menu , shrinking a document to fit a page, reduce the number of pages by one, formatting document: paragraph format, Aligning text and Paragraph, Border and shading, header and footer, multiple columns.

UNIT-II

Word-processing: Advanced Feature of MS Word: Find and replace, checking the grammar and spelling, formatting via find and replace, using the thesaurus, using Auto correct, Auto complete and Auto Text, Word count, Hyphenating, Mail merge, mailing labels Wizard and Templates, handing graphic, tables insert and modification, converting of tables, converting a word document into various formats like – Text, Rich Text Format, Word Perfect, HTML etc.

UNIT-III

Worksheet : MS-Excel : Worksheet basics, Creating worksheet, entering data into worksheet, heading information, data, text dates, alphanumeric, values, saving & quitting worksheet, opening and moving around in an existing worksheet, toolbars and menus , keyboard shortcut , working with single and multiple worksheet , coping, renaming, moving between work books, working with formulas & cell referencing – Auto sum, Coping formulas, absolute & relative addressing, working with range – creating editing and selecting range, formatting of worksheet – Auto format, changing– alignment, character styles, column width, date format, border & colors, currency sign.

UNIT-IV

Worksheet: MS-Excel: Previewing & Printing Worksheet- Page setting , print titles ,Adjusting margins, page break , headers and footer, graphs and chart – using wizard, various chart types, formatting grid lines & legends , previewing & printing charts , database – creation , sorting, query & filtering a database , function – database , date and times, math's & Trigonometry, statistical, Text and logical function, creating and using macros, multiple worksheet – concept, creating and Using

UNIT-V

Power point: Introduction and area of use, working with MS PowerPoint, creating a new presentation working with presentation, using wizards, slides& different views, deleting coping slides, working with notes, handout, columns and list, adding graphics, sound and movies to a slide, working with power point objects designing and presentation of a slide show, printing and presentation, notes, Handouts with print options. Outlook Express: Setup E-mail account with outlook, sending and receiving mail through outlook, concepts of CC,BCC, forwarding mail, draft message, formatting E-mail message, Concept of MIME protocol, attaching files and items into messages, inserting hyperlink using outlook editor and using send and receive group mails, opening received message, opening message with attachment, replying to mail forward message flagging for further action, setting email options, managing contacts with outlook, setting up multiple email accounts on single machine.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA First Semester

PROGRAMMING METHODOLOGY AND C PROGRAMMING

(Syllabus)

UNIT-I

An overview: Problem identification, analysis, design, coding, testing & debugging, implementation, modification & maintenance; algorithms & flowcharts; Characteristics of a good program - accuracy, simplicity, robustness, portability, minimum resource & time requirement modularization; Rules/ conventions of coding, documentation, naming variables; Top down design; Bottom-up design.

UNIT-II

Fundamentals of C Programming: History of C; Structure of a C Program; Data types; Constant & Variable, naming variables; Operators & expressions; Control Constructs - if-else, for, while, do-while; Case switch statement; Break, continue, exit(), go to & labels, Arrays; Formatted & unformatted I/O; Type modifiers & storage classes; Ternary operator; Type conversion & type casting; Priority & associativity of operators.

UNIT-III

Modular Programming: Functions; Arguments; Return value; Parameter passing - call by value, call by reference; Return statement; Scope, visibility and lifetime rules for various types of variable, static variable; Calling a function; Recursion - basics, comparison with iteration, types of recursion- direct, indirect, tree and tail recursion, when to avoid recursion, examples.

UNIT-IV

Advanced Programming Techniques: String; Pointer v/s array; Pointer to pointer; Array of pointer & its limitation; Function returning pointers; Pointer to function, Function as parameter; Structure -basic, declaration, membership operator, pointer to structure, referential operator, self referential structures, structure within structure, array in structure, array of structures; Union - basic, declaration; Enumerated data type; Typedef; command line arguments.

UNIT-V

Miscellaneous Features: File handling and related functions; printf & scanf family; C preprocessor- basics, #Include, #define, #undef, conditional compilation directive like #if, #else, #elif, #endif, #ifdef and #ifndef; Variable argument list functions.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA First Semester

DIGITAL ELECTRONICS

Syllabus

UNIT-I

Data types and number System , Binary number system ,Octal & Hexa-decimal number system, I's& 2's complement ,Binary Fixed –point Representation , Arithmetic operation on Binary number , Overflow & underflow ,Floating Point Representation , codes ,ASCII, EBCDIC codes , Gray code , Gray code ,Excess -3& BCD, Error detection & correction codes.

UNIT-II

Logic Gate , AND , OR NOT gates and their truth tables , NOR, NAND & XOR gate , Boolean Algebra , basic Boolean law's , Demorgan's theorem , MAP simplification , Minimization technique , K-Map , sum of product & product of sum.

UNIT-III

Combination & Sequential circuit , half adder & full adder , full subtractor, Flip –flops RS, D ,JK, & T flip-flops ,shift register , RAM and ROM , Multiplexer , Demultiplexer , Encoder, Decoder, Idea about Arithmetic Circuit , program control , instruction Sequencing.

UNIT-IV

I/O Interface , properties of simple I/O devices and their controller, Isolated versus memory-mapped I/O, Mode of Data transfer, Synchronous and Asynchronous data transfer, handshaking, Asynchronous serial transfer , I/O Processor.

UNIT-V

Auxiliary memory, magnetic Drum , disk & tape ,semi- conductor memories ,Memory Hierarchy , Associative Memory , Virtual Memory ,Address space & Memory Space , Address mapping page tables , page replacement , cache memory , hit ratio , mapping, hit ratio, mapping technique, Writing into Cache

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Second Semester

ADVANCED CONCEPT OF MAHARISHI VEDIC SCIENCE

(MAHARISHI VEDIC SCIENCE – I & II)

Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda

Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan

Introduction to Maharishi Vedic Management

Fundamental Elements of Vedic Management:- Totality

Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)

Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.

Maharishi Absolute theory of Development.

Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Second Semester
Internet and Web Page Designing
Syllabus

Unit - I

Internet: Evolution, Protocols, Concept, Internet Vs Intranet, growth of Internet, ISP, Connectivity ,Dial-up, leased line, VSAT etc, URls, Domain names, Portals, Application. E-Mail: Concept, POP and Web Based E-mail, merit, address basics of sending & Receiving, E-mail protocols, mailing list, and free E-mail services.

Unit - II

File transfer Protocols, Telnet & chatting: Data Transmission Protocols, Client /Server Architecture & its Characteristics, FTP & Its usages telnet Concept, Remote Logging, Protocols, Terminal Emulation Massage Board, Internet chatting–voice chat, text chat.

Unit-III

World Wide Web (WWW): History, Working, Web Brower, its function, Concept of Search Engine, Searching the web HTTP, URLS, Web Server, Web Protocols.

Unit-IV

Web Publishing: Concept , Domain name Registration , space on Host Server for web site, HTML, Design tools, HTML editor , Image editor , issues in web site creation & maintenance, FTP software for upload web site.

Unit-V

HTML: Concept of Hypertext , Version of HTML , Element of HTTML, syntax , head & body section Building HTML document, Inserting Text, Image, Hyperlinks , Background and color controls , different HTML tag, Tables, Tables layout and presentation use of size & Attributes, List types and its Tags.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Second Semester
Programming in Visual Basic
Syllabus

Unit-I

Integrated Development Environment of Visual Basic: Integrated Development Environment of VB, User Interface Designing, Basic of Event Driven Programming. From – designing, Showing & hiding.

Unit-II

Visual Basic Language: Data types, variable & Constant, arrays, dynamic array, array as function, collections, procedures, arguments passing , function return values. Control flow statements: if –then –else, select case, looping statement: Do-loop, for-next, While-Wend, Nested Control Structure, Exit stmt.

Unit-III

Building Blocks of Visual Basic: Basic Active X Control & their Use –Textbox, list box, combo- box, scrollbar, slider & fire controls. Graphic controls, Image Handling in VB, Coordinate System, Graphic method- Text Drawing, lines& shape, filling shape and grid methods.

Unit-IV

Components of visual Basic: Menu editor: pull down and pop-up menus, Multiple Document interface –parent & Child form & Methods. Error handing: Types of Error, Error handing method and function.

Unit-V

Database Programming with VB: Database programming with VB-Data Control Method, Properties, Connectivity with data base.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Second Semester

RELATIONAL DATA BASE MANAGEMENT SYSTEM

(USING ORACLE)

(Syllabus)

UNIT-I

INTRODUCTION: Advantages of DBMS approach, various views of data, data independence, Schema & sub-schema, Primary concepts of data models, Database languages, Transaction management, Database administrator & uses, data dictionary, Overall system architecture.

ER MODEL : Basic concept, Design issues, Mapping constraints, Keys, ER diagram, weak & strong entity sets, specialization & generalization, aggregation, inheritance, design of ER schema, Reduction of ER schema to tables.

UNIT–II

DOMAIN RELATIONS & KEYS : Domains, Relations, Kinds of relation, relational databases, various types of keys, candidate, primary, alternate & foreign Keys.

RELATION ALGEBRA & SQL : The structure, relation algebra with extended operations, Modification of database, idea of relational calculus, Basic structure of SQL, set operation, Aggregate function, Null values, Nested subqueries, Derived relations, views modification of database, Join relations, DDL & SQL.

UNIT–III

FUNCTIONAL DEPENDENCIES & NORMALIZATION : Base definitions, Trivial & non-Trivial dependencies, Closure set of dependencies & of attributes, Irreducible set of dependencies, introduction to normalization, Non- loss decomposition, FD diagram of I, II & III NF, Dependencies prevention, BCNF, Multivalued dependencies prevention's, BCNF, Multivalued dependencies & ANF, Join dependencies & 4 NF. DATABASE INTEGRITY :-General idea, Integrity rules, Domain rules, Attribute rules, Relation rules, Database rule, assertions, triggers, Integrity & SQL.

UNIT-IV

DISTRIBUTED DATABASES : Basic idea, distributed data storage, Data replication, Data Fragmentation, horizontal, vertical & mixed fragmentation. EMERGING TRENDS IN DBMS :- Object – Oriented database- Basic idea & the model Object structures Object, Class, inheritance, multiple object identity, Data warehousing terminology, definitions, characteristics, Data mining & its overview, Database on www, multimedia database difference with conventional DBMS, issues, similarity based retrieval continuous media data, multimedia data formats, video servers.

UNIT-V

NETWORK & HIERARCHICAL MODEL : Basic idea , Data structure diagram, DBTG model, implementation, Tree structure diagram, Implementation techniques, comparison of three models.

TRANSACTION CONCURRENCY & RECOVERY: Basic concept, ACID properties, Transaction state, Implementation of atomicity & durability concurrent executions, Basic idea of serializability, Basic idea of concurrency control, Basic idea of deadlock, Failure.

classification, storage structure - types, stable storage implementation, data access, Recovery & Atomicity – Log based recovery, deferred database modifications, immediate database modifications, checkpoints.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Second Semester
Elementary Mathematics
(Syllabus)

UNIT-I

Sets and Their Representations. Empty Set, Finite & Infinite Sets, Equal Sets. Subsets. Subsets of the Set of Real Numbers Especially Intervals (with notations). Power Set. Universal Set. Venn Diagrams. Union and Intersection of Sets. Difference of Sets. Complement of a Set. Ordered Pairs, Cartesian Product of Sets. Number of Elements in the Cartesian Product of two Finite Sets. Cartesian Product of the Reals with itself (upto R x R x R). Definition of Relation, Pictorial Diagrams, Domain. Co- domain and Range of a Relation.

UNIT-II

Function as a special kind of relation from one set to another. Pictorial representation of a function, domain, co-domain & range of a function. Real valued function of the real variable, domain and range of these functions, constant, identity, polynomial, rational, modulus, signum and greatest integer functions with their graphs. Sum, difference, product and quotients of functions. Types of relations: reflexive, symmetric, transitive and equivalence relations. One to one and onto functions, composite functions, inverse of a function. Binary operations.

UNIT-III

Complex numbers, Brief description of algebraic properties of complex numbers. Argand plane and polar representation of complex numbers. Statement of Fundamental Theorem of Algebra, solution of quadratic equations in the complex number system. Fundamental principle of counting. Factorial n. (n!),Permutations and combinations,.

UNIT-IV

Sequence and Series. Arithmetic Progression (A.P.). Arithmetic Mean (A.M.) Geometric Progression (G.P.), general term of a G.P sum of n terms of a G.P., geometric mean(G.M.), relation between A.M. and G.M. Sum to n terms of the special series _n, _n2 and _n3.

UNIT-V

Slope of a line and angle between two lines. Various forms of equations of a line: parallel to axes, point-slope form, slope-intercept form, two point form, intercepts form and normal form. General equation of a line. Distance of a point from a line. Standard equation of a circle, Coordinate axes and coordinate planes in three dimensions. Coordinates of a point.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Third Semester

DATA AND FILE STRUCTURES

(Syllabus)

UNIT:1

Analysis of Algorithms : Mathematical Background, Process of Analysis, Calculation of Storage Complexity, Calculation of Run Time Complexity.

Arrays: Arrays and Pointers, Sparse Matrices, Polynomials, Representation of Arrays, Row Major Representation, Column Major Representation, Applications.

Lists: Abstract Data Type-List, Array Implementation of Lists, Linked Lists-Implementation, Doubly Linked Lists-Implementation, Circularly Linked Lists-Implementation, Applications.

UNIT:2

Stacks : Abstract Data Type-Stack, Implementation of Stack, Implementation of Stack using Arrays, Implementation of Stack using Linked Lists, Algorithmic Implementation of Multiple Stacks, Applications.

Queues : Abstract Data Type-Queue, Implementation of Queue, Array Implementation, Linked List Implementation, Implementation of Multiple Queues, Implementation of Circular Queues, Array Implementation, Linked List Implementation of a circular queue, Implementation of DEQUEUE, Array Implementation of a DEQUEUE, Linked List Implementation of a DEQUEUE.

UNIT:3

Trees: Abstract Data Type-Tree, Implementation of Tree, Tree Traversals, Binary Trees, Implementation of Binary Tree, Binary Tree Traversals, Recursive Implementation of Binary Tree Traversals, Non Recursive Implementations of Binary Tree Traversals, Applications.

Advanced Trees : Binary Search Trees, Traversing a Binary Search Trees, Insertion of a node into a Binary Search Tree, Deletion of a node from a Binary Search Tree, AVL Trees, Insertion of a node into an AVL Tree, Deletion of a node from and AVL Tree, AVL tree rotations, Applications of AVL Trees, B-Trees, Operations on B-Trees , Applications of B-Trees.

UNIT:4

Graphs : Definitions, Shortest Path Algorithms, Dijkstra's Algorithm, Graphs with Negative Edge costs, Acyclic Graphs, All Pairs Shortest Paths Algorithm, Minimum cost Spanning Trees, Kruskal's Algorithm, Prims's Algorithm, Applications, Breadth First Search , Depth First Search, Finding Strongly Connected Components. Searching: Linear Search, Binary Search, Applications.

UNIT:5

Sorting : Internal Sorting, Insertion Sort, Bubble Sort, Quick Sort, 2-way Merge Sot, Heap Sort, Sorting on Several Keys.

Advanced Data Structures : Splay Trees, Splaying steps, Splaying Algorithm, Red-Black trees, Properties of a Red Black tree, Insertion into a Red-Black tree, Deletion from a Red-Black tree, AA-Trees.

File Structures : Terminology, File Organisation, Sequential Files, Structure, Operations, Disadvantages, Areas of use, Direct File Organisation, Indexed Sequential File Organisation.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Third Semester

SYSTEM ANALYSIS AND DESIGN

(Syllabus)

UNIT: 1

The System Concept, Characteristics, Elements and Types of a system, System Development Life Cycle (SDLC) , Considerations for candidate systems and Prototyping. The role of System Analyst.

UNIT: 2

System planning and Initial Investigation Information Gathering, information gathering tools. Structured Analysis, The Tools of Structured Analysis (DFD, Data Dictionary, Decision tree and Pseudo Codes Decision Tables), pros and cons of each tool. System performance definition, description of outputs, Feasibility Study Cost/ Benefit Analysis: Data Analysis, Cost/Benefit Analysis, The system proposal.

UNIT: 3

The process and Stages of System Design: Design methodologies, development activities. Input design, output design forms design, types of forms, and basics of form design, layout considerations and forms control.

UNIT: 4

File structure, file organization, objectives of database, data structure. System Testing and Quality Assurance, Why system testing, what do we test for, the test plan quality assurance, trends in testing, role of data processing auditor. Training and Documentation.

UNIT: 5

Implementing and software maintenance, Conversion, combating, resistance to change, post implementation review, software maintenance. Hardware/Software Selection and the Computer Contract, suppliers, procedure for hardware/software selection, financial considerations in selection, the computer contract. System Security, Disaster Recovery Planning .

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Third Semester

C++ PROGRAMMING

(Syllabus)

UNIT: 1

PRINCIPLES OF OBJECT-ORIENTED PROGARAMMING : Object-Oriented Programming Paradigm, Basic Concepts of Object- Oriented Programming, Benefits of OOPs, Object-Oriented Languages, Applications of OOP, C++ Statements, Class, Structure of C++, Program, Creating the Source File, Compiling and Linking.

UNIT: 2

TOKENS, EXPRESSIONS AND CONTROL STRUCTURES : Introduction Tokens, Keywords, Identifiers, Basic Data types, User Defined Data Types, Derived Data Types, Symbolic Constants, Type Compatibility, Declaration of Variables, Dynamic Initialization of Variables, Reference Variables, Operators in C++, Scope Resolution Operator, Member Dereferencing Operators, Manipulators, Type Cast Operator, Expressions and Implicit Conversions, Operator Precedence, Control Structures.

UNIT: 3

CLASSES AND OBJECTS : Specifying a class, Defining Member Function, making an Outside Function Inline, Nesting of Member function, private member function, Arrays within a class, Memory Allocation for Objects, Static Data Member, Static Member Functions, Arrays of Objects, Object as Function Arguments.

CONSTRUCTORS AND DESTRUCTORS : Introduction, Constructors, parameterized Constructors, Multiple Constructors with Default Arguments, Dynamic Initialization of Objects, Copy Constructors, Dynamic Constructors and Destructor.

UNIT: 4

FUNCTIONS IN C++ : The Main Function, Function Prototyping, call by Reference, Return by reference, Inline Functions, Default Argument, Const. Arguments ,Function Overloading, Friend and Virtual Function.

OPERATOR OVERLOADING AND TYPE CONVERSIONS : Introduction, Defining Operator Overloading, Overloading Unary Operators, Overloading Binary Operators Using Friends, Manipulation of strings using operators, Rules for Overloading Operators, Type conversions.

UNIT: 5

INHERITANCE: EXTENDING CLASSES : Introduction, Defining Derived Classes, Single Inheritance Making a Private Member Inheritable, Multilevel Inheritance, Multiple Inheritance, Hierarchical Inheritance, Hybrid Inheritance.

POINTERS. VIRTUAL FUNCTIONS AND POLYYMORPHISM : Compile time Polymorphism, run time polymorphism, Pointers to Objects, This Pointer, Pointers to Derived Classes, Virtual Functions, Pure Virtual Functions.

STREAMS AND FILES : Stream Classes, Types of I/O, Formatting Outputs, File Pointers, Buffer. TEMPLATES AND STL : Function and Class Templates, Use of Templates, Standard Template Library.

EXCEPTION HANDLING : Exceptions in C++ Programs, Try and Catch Expressions, Exceptions with arguments.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Third Semester
Discrete Mathematics
(Syllabus)

UNIT-I

Sets & Preposition –Introduction, combinations of sets, finite and infinite set, unacceptable indefinite sets, principle of inclusion , preposition. Relation and function introduction , a elation models for database. Properties of binary relation .Equivalence relation and lattices , partial ordering relation and lattices. Chain and anti-chain, a job scheduling problem and the pigeonhole principle.

UNIT-II

Recurrence relation and recursive algorithm – Introduction, Recurrence, relation linear recurrence with coefficients solution, particular solutions, total solutions.

UNIT-III

Group and ring –group and subgroup , generator and Evaluation of power , Cosets and Lagrange theorem, Permutation , groups and codes , Isomorphism and automorphism, Homomorphism and Normal group, Rings , Integral Domains and Field , Polynomial ring and cyclic codes.

UNIT-IV

Boolean algebra lattices and algebraic system , principle of duality , basic properties of algebra's of system , defined by lattices , Distributive and complemented lattices , Boolean lattices and Boolean algebra's. Uniqueness finite Boolean algebra's. Boolean function and Boolean Expression, Prepositional Calculus.

UNIT-V

Finite state machine –introduction, finite state machines, finite state machine as model of physical system, Equivalent machine, finite state Machine as language Recognizer.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Third Semester
Communicative English
(Syllabus)

UNIT-I

Sentences: Simple, Compound, Complex, Assertive, Interrogative, Imperative, Exclamatory. Clauses : Co-ordinate, Sub-ordinate, Relative, Adverb, Comparative (Adverb + Adjective) Articles : usage of 'A', 'An', 'THE' Preposition : Position of Prepositions, Place Relations Time Relations and other relations.

UNIT-II

Functional Grammar Tenses : Simple Present, Progressive Perfect, Present Perfect Progressive along with Past Tense and indications of futurity. Reported speech Modals: Will, Shall Should, Would and others Voice - Active and Passive.

UNIT-III

Nouns : Countable, Uncountable, Pronoun : Personal, Relative and others, Verb and Verb structures (infinitives and gerundial),Linking Devices. Adverbs and adverb phrases, Comparisons and Intensification Modifiers and adverbs, Adjectives and Adjective Phrases.

UNIT-IV

Synonyms Antonyms & Homonyms, Diminutives and Derivatives, Jargons or Registers.

UNIT-V

Precise writing, Paragraph, Curriculum Vitae/Resume, Curriculum Vitae/Resume, Preparation of questionnaire for Interview skills. Effective Public Speaking: Features & aspects of EPS, general mistakes & how to avoid them, structure of an ideal speech/technical presentation Recognizer.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fourth Semester

OBJECT ORIENTED TECHNOLOGY AND JAVA PROGRAMMING

(Syllabus)

UNIT:1

Object Oriented Technology and Java

Object Oriented Methodology : Paradigms of Programming Languages, Evolution of OO Methodology, Basic Concepts of OO Approach, Comparison of Object Oriented and Procedure Oriented Approaches, Benefits of OOPs, Introduction to Common OO Language, Applications of OOPs.

Java Language Basics : Introduction To Java, Basic Features, Java Virtual Machine Concepts, A Simple Java Program, Primitive Data Type And Variables, Java Keywords, Integer and Floating Point Data Type, Character and Boolean Types, Declaring and Initialization Variables,Java Operators.

Expressions, Statements and Arrays: Expressions, Statements, Control Statements, Selection Statements, Iterative Statements, Jump Statements, Arrays.

UNIT:2

Object Oriented Concepts

Class and Objects : Class Fundamentals, Creating objects, Assigning object reference variables, Introducing Methods, Static methods, Constructors, Overloading constructors, This Keyword, Using Objects as Parameters, Argument passing, Returning objects, Method Overloading, Garbage Collection, The Finalize ( ) Method.

Inheritance and Polymorphism : Inheritance Basics, Access Control, Multilevel Inheritance, Method Overriding, Abstract Classes, Polymorphism, Final Keyword. Abstraction and Encapsulation.

Packages and Interfaces : Package, Defining Package, CLASSPATH, Package naming, Accessibility of Packages, Using Package Members, Interfaces, Implementing Interfaces, Interface and Abstract Classes, Extends and Implements Together.

UNIT:3

Exceptions Handling and Multithreading

Exceptions Handling: Exception, Handling of Exception, Using try-catch, Catching Multiple Exceptions, Using finally clause, Types of Exceptions, Throwing Exceptions, Writing Exception Subclasses.

Multithreaded Programming : Multithreading: An Introduction, The Main Thread, Java Thread Model, Thread Priorities, Synchronization in Java, Inter thread Communication.

UNIT:4

I/O and String Handling

I/O in Java : I/O Basics, Streams and Stream Classes, Byte Stream Classes, Character Stream Classes, The Predefined Streams, Reading from, and Writing to, Console, Reading and Writing Files, The Transient and Volatile Modifiers, Using Instance of Native Methods.

Strings and Characters : Fundamentals of Characters and Strings, The String Class, String Operations, Data Conversion using Value Of ( ) Methods, String Buffer Class and Methods.

Exploring Java I/O : Java I/O Classes and Interfaces, I/O Stream Classes, Input and Output Stream, Input Stream and Output Stream Hierarchy, Text Streams, Stream Tokenizer, Serialization, Buffered Stream, Print Stream, Random Access File.

UNIT:5

Applets Programming and Advance Java Concepts

Applets : The Applet Class, Applet Architecture, An Applet Skeleton: Initialization and Termination, Handling Events, HTML Applet Tag.

Graphics and User Interfaces : Graphics Contexts and Graphics Objects, Color Control, Fonts, Coordinate System, User Interface Components, Building User Interface with AWT, Swingbased GUI, Layouts and Layout Manager, Container.

Networking Features : Socket Overview, Reserved Parts and Proxy Servers, Internet Addressing: Domain Naming Services (DNS), JAVA and the net: URL, TCP/IP Sockets, Datagrams.

Advance Java : Java Database Connectivity, Establishing A Connection, Transactions with Database, An Overview of RMI Applications, Remote Classes and Interfaces, RMI Architecture, RMI Object Hierarchy, Security, Java Servlets, Servlet Life Cycle, Get and Post Methods, Session Handling, Java Beans.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fourth Semester

FUNDAMENTALS OF COMPUTER NETWORK

(Syllabus)

UNIT: 1

Concepts of Communication and Networking

Basics of Data Communication : Concept of communication system, Analog and Digital Communication, Data communication modes, Synchronous and asynchronous transmission, Simplex, half-duplex, full duplex communication, Networking Protocols and Standards, Layering, OSI reference model, encapsulation, End-to-end argument. Protocol design issues, Applications.

Modulation and Encoding: Analog Modulation (AM, FM, PM), AM Demodulation (onetechnique only), Advantages and Disadvantages of each., Analog to Digital (Digitization), Sampling, Quantization, Digital to Analog, Digital Modulation (ASK, FSK, PSK, QPSK).

Multiplexing and Switching: Concept, FDM, TDM, SDM, Multiplexing Applications, Circuit and Packet Switching.

Communication Mediums : Digital data transmission, Serial and Parallel Transmission, Guided and Unguided mediums, Wireless Communication, Coaxial Cables, Twisted Pair Cables, Fiber Optic Cables, Connectors.

UNIT: 2

Networks and Devices

Network Classifications and Topologies : Network Concept, LAN overview, LAN Topologies, LAN access methods, Network Types based on size like PAN, LAN, MAN, WAN, Functional Classification of Networks, Peer to Peer, Client Server. Wide Area Network, WAN Topologies, WAN Access Methods.

OSI and TCP/IP Models: Introduction of OSI Model, Need of such Models, Basic functions of each OSI layer, Introduction to TCP/IP, Comparisons with TCP/IP layers.

Physical and Data link Layer: Error detection and correction, CRC, Framing, Retransmission strategies, Multi-access communication, CSMA/CD, Ethernet, Addressing, ARP and RARP.

Internetworking Devices: Network Interface Cards, Modems, Repeaters, Hubs, Bridges, Switch (L2 and L3 differences) and gateways.

UNIT: 3

Network and Transport Layer

Network layer: Circuit and packet switching, Routing, Congestion control, Routing protocols: distance vector vs link-state routing, DV problems, Network Addressing, Forwarding, Fragmentation, Error Messaging Services.

Transport layer: Addressing and multiplexing, Flow control, congestion control, data transport, Port numbers, service models, Intro to reliability, QoS.

UNIT: 4

Application Layer and Network Application

Application Layer: DNS, Remote Logging, File transfer, Network Management, client-server applications, WWW, E-mail, MIME.

Network Applications: Internet Applications like emails, chatting, social networking, Rail Reservations, Information Sharing, e-governance, Online Processing and Collaborations, etc., Mobile Applications.

UNIT: 5

Network Design and Security

Building a Simple Network: Examples of designing the developing small networks, Structure Cabling, Integrating home computers and devices, creating a small Networking.

Introduction to Network Architectures: X.25, Frame relay, Telephone network, ATM network, ISP, IPv4 and IPv6 overview 42

Introduction to Wireless and Mobile Networks: Introduction to wireless communication systems, modern wireless communication systems and generations, Introduction to cellular mobile systems, CDMA, cellular system design fundamentals.

Network Security: Introduction to computer security, Security services, Authentication and Privacy, Block and Stream Ciphers, Public and Private key Cryptography, Introduction to RSA, MD5 and DES at the beginner's level.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fourth Semester

Analysis and Design of Algorithms

(Syllabus)

UNIT– I

Basics of an Algorithm : Definition and Example of an algorithm, Characteristics of an algorithm, Steps in Designing of Algorithms, Growth of function, Recurrence, Problem Formulation (Tower of Hanoi), Substitution Method, Iteration Method, Master Method. Asymptotic Bounds: Asymptotic Notations, Concept of efficiency of analysis of an algorithm Comparative efficiencies of algorithms: Linear, Quadratic, Polynomial and Exponential.

UNIT– II

Analysis of simple Algorithms: Euclid's algorithm for GCD, Horner's Rule for polynomial evaluation, Simple Matrix (n x n) Multiplication, Exponent evaluation e.g. an, Searching, Linear Search, Sorting, Bubble sort, Insertion Sort, Selection sort.

UNIT– III

Greedy Technique: Elements of Greedy strategy, Activity Selection Problem, Continuous Knapsack Problem, Coin changing Problem and Examples.

UNIT– IV

Divide and Conquer Approach: General Issues in Divide and Conquer, Binary Search, Merge Sort, Quick Sort, Integer Multiplication and Examples.

UNIT– V

Graph Algorithm: Representation of Graphs, Adjacency Matrix, Adjacency List, Depth First Search and Examples, Breadth First Search and Examples.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fourth Semester
Advance Calculus & Matrices
(Syllabus)

UNIT-I

Derivative as Tangent to a curve, Continuity and differentiability, limit and derivative , derivative of products and composite function , Leibnitz rule and chain rule.

UNIT-II

Expansion of function by Maclaurins's theorem, Taylor's theorem, partial differentiation, total differentiation coefficient, Homogeneous Function, Euler theorem.

UNIT-III

Integral as anti- derivative , integration by part , change of variable , integration of rational and irrational function , definite integral , definite integral as a limit of a sum, application of definite integral to find sum of infinite series.

UNIT-IV

Differential Equation : solution of ordinary differentiation equations ,solution of first order and first degree differential equation , first order and higher degree differential equation, linear differential equation of second order.

UNIT-V

Matrix: Solution of system of linear equation using matrix method , rank of matrix , consistency of the linear system , Eigen value and Eigen vectors.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fourth Semester
COMMUNICATIVE HINDI
(Syllabus)

इकाई–1

हिन्दी भाषा का संक्षिप्त विकास, हिन्दी के लिपि एवं बोलियों का संक्षिप्त परिचय, शब्दकोश– उपयोग एवं महत्व, हिन्दी व्याकरण, शब्द रचना, वाक्य रचना, वाक्यों के प्रकार, उपवाक्य, संधि समास, उपसर्ग, प्रत्यय, पर्यायवाची विलोमार्थी अनेकार्थक, समूहार्थक शब्द।

इकाई–2

देवनागरी लिपि की मुख्य विशेषताएं, वर्तनी, शब्द शुद्धि एवं वाक्य शुद्धि के नियम, प्रमुख मुहावरो एवं लोकोक्तियों का प्रयोग, छंद एवं अलंकारों का उपयोग, विराम चिन्हों का उपयोग।

इकाई–3

गद्य की विभिन्न शैलियॉं, साहित्य एवं समाचार पत्रों की भाषा शैली, वर्ण विभाग, स्वर व्यंजन, शब्द विभाग : संज्ञा, सर्वनाम, विश्लेषण क्रिया, संबंध बोधक, समुच्चय बोधक, विस्मयी बोधक। वाक्य विभाग : उद्देश्य और विधेय, काल और काल अभेद पुरूष, वचन, लिंग।

इकाई–4

अनुवाद का अर्थ और परिभाषा, अनुवाद के प्रकार, अनुवाद के उपकरण एवं समस्या, भाव तथा प्रभाव के आधार पर अनुवाद एवं लेख।

इकाई–5

निबंध लेखन, रिपोर्ट लेखन, पत्र लेखन, अनुवाद, गोदान, गबन, मुंशीप्रेमचंद।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fifth Semester
Introduction to Software Engineering
(Syllabus)

UNIT–1

INTRODUCTION TO SOFTWARE ENGINEERING: Introduction of software- The evolving role of software-Software characteristic-Types of software-Software application-What is software engineering-Software engineering concepts -What does software engineering involve-Importance of software engineering-Principles of software engineering. SOFTWARE ENGINEERING APPROACHES, PROBLEMS, CRISIS AND MYTHS: Software engineering approach-Software engineering problem-Causes of the problem Software crisis-Software myths-Management Myths-Customer Myths-Practitioner's Myths Bringing formality to the software development process.

UNIT-2

THE PROCESS, DESIGN CONCEPTS AND MODELS: Software process-Characteristics of software process-Software process, projects & products Design concept and modeling-Concepts-Design Objectives-Design Principles-Software. ENGINEERING PROCESS MODELS: Waterfall Model - It's Advantages and Limitations-Prototype Model-It's Advantages and Limitations-Prototype's effect on software development cost Iterative Enhancement Model-Spiral Model-COCOMO Model.

UNIT-3

PROJECT SCHEDULING AND TRACING: Software project planning-Estimation of a project – Cost estimation-Building cost estimation – models-Process-based estimation-Project scheduling and tracing-Design tools and techniques-Structure charts-Gantt charts -Activity networks –Structured design methodology-Identify the input and output data elements. RISK ANALYSIS: Software project planning. Introduction to risk analysis. Risk assessment-Risk evaluation Risk management. SOFTWARE METRICS: Project management concept-Software project metrics-Software metrics-Software metrics type-Software metrics steps-Software metrics rules-Software metrics objective.

UNIT–4

SOFTWARE QUALITY: Introduction of software quality-Factors of software quality-Software quality assurance Activities-Formal technical review -Phases of ftr-Software configuration management. COUPLING AND COHESION: Introduction to Coupling-Definition-Factors affecting coupling-Introduction to Cohesion Levels of cohesion-Coincidental-Logical cohesion-Temporal cohesion-Procedural cohesion Communicational cohesion-Sequential cohesion-Functional cohesion.

CODING: Introduction - Programming practice – Top - down and bottom – up – Structured programming Hiding information-Verification & validation-Good coding style.

UNIT-5

SOFTWARE TESTING STRATEGIES: Strategic approach to software testing-Unit testing-Integration testing-Validation testing System testing-The art of debugging. MAINTENANCE: Introduction- Categories of maintenance- Corrective maintenance-Adaptive maintenance Perfective maintenance-Maintenance characteristic - Structured versus unstructured - maintenance- Maintenance tasks- A maintenance organization- Flow of events-Maintenance side effects-Coding side effects-Data side effects-Documentation side effects-Maintaining “alien code”.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fifth Semester

INTRODUCTION TO OPERATING SYSTEM

(Syllabus)

UNIT : 1

Introduction to Operating Systems: What is an Operating System? Evolution of Operating Systems, Operating System Structure, Different Views of the Operating System, Design and Implementation of Operating Systems.

The Concept of Process :Process, Implicit and Explicit Tasking, Process Relationship, Process State, Process. Control Block, Process Scheduling, Context Switch, Operations on Process, Operating-System Services for Process Management, Threads, Interposes Communication.

UNIT : 2

CPU Scheduling: Basic Concepts, CPU-I/O Burst Cycle, Scheduling, Types of Schedulers, Dispatcher, Scheduling Criteria, Multiple -level Scheduling, Real-Time Scheduling, Algorithm Evaluation, Process Synchronization : The Critical-section Problem, Synchronization Hardware, Semaphores, Classical Problems of Synchronization, Critical Region, Monitors, Atomic Transactions. Deadlocks, System Model, Deadlock Characterization, Methods For Handling Deadlocks, Deadlock Prevention, Deadlock Avoidance, Dead lock Detection, Recovery from Deadlock, Memory Management, Background, Logical Versus Physical Address Space, Swapping, Contiguous Allocation, Paging, Segmentation, Virtual Memory: Background, Demand Paging, Performance of Demand Paging, Page Replacement, Page Replacement Algorithms.

UNIT : 3

File Systems, Files, Directories, File System Implementation, Security and Protection, Security Threats and Goals, Penetration Attempts, Security Policies and Mechanisms, Authentication, Protection and Access control, Cryptography Multiprocessor Systems, Background, Motivation and Classification, Multiprocessor Interconnections, Types of Multiprocessor Operating Systems, Multiprocessor OS Functions and Requirements, Introduction to Parallel Programming, Multiprocessor Synchronization, Network Structures, Background, Motivation, Topology, Network Types.

UNIT : 4

Distributed System Structure, Background, Motivation, Topology, Network Types, Communication, Design Strategies, Distributed File Systems, Background, Naming and Transparency, Remote File Access, File Replication, Distributed Coordination, Event Ordering, Mutual Exclusion, Atomicity, Deadlock Handling, Performance Measurement, Monitoring and Evaluation, Background, Need for Performance Monitoring and Evaluation, Performance Measures, Performance Evaluation Techniques, Bottlenecks and Saturation.

UNIT : 5

Introduction to Linux Operating System: Features of Linux, Drawbacks of Linux, Components of Linux, Memory Management Subsystems, Linux Process and Thread Management, File Management System, Device Drivers.

Linux Commands and Utilities: Entering the Machine, User Names and Groups, Logging In, Correcting Typing Mistakes, Format of Linux Commands, Changing Your Password, Characters with Special Meanings, Linux Documentation, The File System, Current Directory, Looking at the Directory Contents, Absolute and Relative Pathnames, Some Linux Directories and Files. Linux Utilities and Editor: Some Useful Commands, Permission Modes and Standard Files, Pipes, Filters and Redirection, Shell Scripts, Graphical User Interface, Editor. User-to-User Communication: On-Line Communication, Off-Line Communication, Apache Server Settings, Network Server Settings, Domain Name Server, Network File Server.

UNIX System Administration: System Administration, Installing Linux, Choosing an Installation Method, Choosing an Installation Class, Pre-installation checks, Installation, Booting the System, Maintaining User Accounts, File Systems and Special Files, Backups and Restoration.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fifth Semester
Statistical Techniques
(Syllabus)

UNIT – I

Statistics and Probability

Descriptive Statistics: Collecting Data, Kinds of Data, Frequency Distribution of a Variable, Graphical Representation of Frequency Distribution, Summarisation of Data, Measures of Central Tendency, Measures of Dispersion or Variability. Probability Concepts: Preliminaries, Trials, Sample Space, Events, Algebra of Events, Probability Concepts, Probability of an Event, Probability of Compound Events, Conditional Probability and Independent Events. Probability Distributions : Random Variable, Discrete Random Variable, Continuous Random Variable, Binomial Distribution, Poisson Distribution, Uniform Distribution, Normal Distribution.

UNIT – II

Statistical Inference

Sampling Distributions: Population and Samples, What is a Sampling Distribution, t-distribution, Chi-Square distribution F-distribution. Estimation : Point Estimation, Criteria For a Good Estimator, Interval Estimation, Confidence Interval for Mean with Known Variance, Confidence Interval for Mean with Known Variance, Confidence Interval for Proportion. Tests of Significance: Some Basic Concepts, Tests About the Mean, Difference in the Means of Two Populations Test About the Variance. Applications of Chi-Square in Problems with Categorical Data : Goodness-of-fit, Test of Independence.

UNIT – III

Applies Statistical Methods - I

Analysis of Variance: One-Way Classification : Analysis of Variance: Basic Concepts, Source of Variance, One-Way Classification Model for One-Way Classification, Test Procedure, Sums of Squares, Preparation of ANOVA Table, Pairwise Comparisons, Unbalanced Data, Random Effects Model. Regression Analysis: Simple Linear Regression, Measures of Goodness of Fit, Multiple Linear Regression, Preliminaries, Regression with Two Independent Variables.

UNIT – IV

Applies Statistical Methods - II

Forecasting and Time Series Analysis : Forecasting, Time Series and Their Components, Long-term Trend, Seasonal Variations, Cyclic Variations, Random Variations/Irregular Fluctuations, Forecasting Models, the Additive Model, the Multiplicative Model, Forecasting Long-term Trends, The Methods of Least Squares, the Methods of Moving Averages, Exponential Smoothing. Statistical Quality Control : Concept of Quality, Nature of Quality Control, Statistical Process Control, Concepts of Variation, Control Charts, Control Charts For Variables, Process Capability Analysis, Control Charts For Attributes, Acceptance Sampling, Sampling Plan Concepts, Single Sampling Plans.

UNIT – V

Sampling

Simple Random Sampling and Systematic Sampling : Sampling- What and Why? Preliminaries, Simple Random Sampling, Estimation of Population Parameters Systematic Sampling, Linear Systematic Sampling, Circular Systematic Sampling, Advantages and, Limitations of Systematic Sampling. Stratified Sampling: Stratified Sampling, Preliminaries, Advantages, Estimation of population parameters, Allocation of sample size, Construction of strata, Post-Stratification. Cluster Sampling and Multistage Sampling : Cluster Sampling, Preliminaries, Estimation of population mean, Efficiency of cluster sampling Multistage sampling, Preliminaries, Estimation of mean in two stage sampling.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fifth Semester
Social Science
(Syllabus)

UNIT- I

Concept, Definitions and Importance of Sociology, Relation of Sociology with Other Social Sciences, Group-Community-Institution-Organisation-Society-Humanity-Biosphere and Their Unity and Inter-Dependence, Meaning of Family, Kinship, Class, Caste, Clan, Tribe, Marriage. Concept of Socialization, Social Stratification, Concept, Definitions and Process of Social Change, Understanding of Contemporary Changes in India, Characteristics of Indian Culture. Concept, Definitions and Importance of Psychology, Relation of Psychology with Other Social Sciences, Psychology of Social Groups , Elements and Process of Human Behavior, Theory of Information Opinion and Attitude Formation.

UNIT- II

Environmental Study, Renewable and Non-Renewable Resources
Natural Resources and Associated Problems:
(a) Forest Resources: Use and over-exploitation, Deforestation, Timber extraction, mining, Dams and their effects on forests and tribal people.
(b) Water Resources: Use and over-utilization of surface and ground water, floods, Drought, dams-benefits and problems.
(c) Mineral Resources: Use and exploitation, environmental effects of extracting and using mineral resources.
(d) Food Resources: World food problems, changes caused by agriculture and overgrazing, effects of modern agriculture, fertilizer-pesticide problems, water logging, salinity.
(e) Energy Resources: Growing energy needs, Renewable and non-renewable energy sources, Use of alternate energy sources.
(f) Land Resources: Land as a resource, land degradation, Man induced landslides, Soil erosion and Desertification.

UNIT – III

Environmental Study:_ Role of an Individual in Conservation of Natural Resources. Environmental Pollution – Definition,_ Causes, Effects And Control Measures of : Air Pollution Water Pollution , Soil Pollution , Marine Pollution, Noise Pollution ,Thermal Pollution ,Nuclear Pollution,_ Role Of An Individual in Prevention of Pollution Public Awareness, _Understanding_ Ecosystem_ Environment and Human Health. Concept, definitions and importance of Political Science, Relations of Political Science with other social sciences, Concepts of power and authority, Basic elements of Indian constitution.

UNIT – IV

Indian Constitution - Historical Background , Constituent Assembly of India – Philosophical foundations of the Indian Constitution ,Preamble , Introduction to Fundamental Rights and Duties ,Citizenship Constitutional Remedies for citizens. Union Government , Structures of the Union Government and Functions , President , Vice President ,Prime Minister ,Cabinet , Parliament , Supreme Court of India , Governor ,Chief Minister , Cabinet – State Legislature , Judicial System in States, High Courts and other Subordinate Courts.

UNIT – V

Concept, Definitions and importance of Economics, Relations of Economics with other social sciences, Introduction to Indian Economy, Market, Principles of demand and supply, Consumer behavior, Concept of Globalization, Liberalization, Swadeshi. Human Rights - the Basic concept: Individual, group, State, Civil Society. Liberty,. Freedom, Equality Justice, Violence, Counter Violence, Human Values: Humanity, Compassion, Virtues, Impact of social structure on human behavior, Role of socialization in human values, Modernization.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Fifth Semester

Principles of Management and Business Communication

(Syllabus)

UNIT-I

Management basics, what is management, the history of management, Types of manager, manager qualities. Management responsibilities, management tasks and functions. The business environment defining the organization, organization structure, the quality organization, organizational changes, Centralization and Decentralization, managing changes. Management obligations, social and professional responsibilities, government regulations. Strategy formulation the elements of strategy, the strategy formulation process, alliances and acquisitions, strategy formulation tools and Techniques, plan implementation. Decision making the nature of management decision, the decision making Process, decision making techniques.

UNIT – II

Information presentation and reporting - Principle, Type of Reports, Presentation on Modes, Function reporting system, Information and its uses, Characteristics of information, flow of

information. Brief introduction to project planning and management and its tools/ techniquesGantt chart, PERT/CPM. Human Resources management: Concepts & functions, Job analysis and role description.

UNIT – III

Management skills: Leadership and motivation The nature of leadership, leadership theories, Delegation, motivation and motivation theories, need of motivation, motivation techniques. Team building Defining and effective team, selecting team members, building teams, training and development. Effective communication The communication process, presentation skills Tools and techniques. Time management The importance of time, characteristics of management Tasks, determining time elements, time management techniques. Entrepreneurship Entrepreneur and its role, how to become an Entrepreneur, essentials steps to become an entrepreneur, EDP training.

Unit – IV

Greetings & Introductions : Small talk, Corporate Entertainment. Company Profiles/Jobs & responsibilities. Getting Ready for the Job Market: Preparing a Portfolio. Responding to Advertisements: Writing a CV/Resume, Covering Letter,
Accepting & Declining Job Offers. Interviews: Preparing for Interviews, Face to face Interviews, Phone & walk in Interviews Group Discussions, Presentations for Recruitment.

UNIT - V

Communicating Across Cultures: Language & Culture, Business Travel, Business Events– IT Trade Fairs & Conferences. Features of Written & Oral Communication: Making a choice, In Company Communication: notices, notes, messages, memos, emails etc. External Communication: Types of Letters, faxes, e mails, Conventions & Practices. Writing Reports: Types of reports – Informative & analytical, Contents & Structures. Writing Proposals: Basic Features, Types of proposals. The Process of Writing: Editing Skills – correction of errors, eliminating superfluities, Summarizing.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Sixth Semester

WEB PROGRAMMING AND WEB DEVELOPMENT

(Syllabus)

UNIT : 1

Web 2.0 and XHTML: What Is Web 2.0? Introduction to Web 2.0 terms: Search, Content Networks, Blogging, Social Networking, Social Media, Rich Internet Applications (RIAs), Web Services, Mashups, Widgets and Gadgets, Introduction to XHTML and WML, Syntactic Differences between HTML and XHTML, Standard XHTML Document Structure, An example of XHTML covering Basic Syntax, Images, Hypertext Links, Lists and Tables, Creation of an XHTML Form, Internal Linking and Meta Elements.

Using Style Sheets : CSS: Inline Styles, Embedded Style Sheets, Linking External Style Sheets, Style Specification Formats Selector Forms, Colour, Property Value Forms, Font Properties, List Properties, Alignment of Text, The Box Model, Background Image ,The and Tags.

Introduction to XML: XML Basics, XML Document Structure, XML Namespaces, Document Type Definitions, XML Schemas, Displaying XML Documents.

UNIT : 2

Programming with Java Script – DOM and Events : The Document Object Model, Element Access in JavaScript, Traversing and Modifying a DOM Tree, DOM Collections and Styles, Events, Examples of Event Handling from Body, Button, Text Box and Password Elements, Dynamic Documents using JavaScript – element moving, visibility, positioning etc., Example program(s),Introduction and example of AJAX.

Introduction to WAP and WML: WAP and WML Basics, WML formatting and links, WML input, WML tasks, WML timer, WML variables, Example.

The Server Side Scripting : Server side scripting and its need ,Two-Tier, Three-Tier, N-Tier and Enterprise Architecture, Various Languages/ Technologies for server scripting ,HTTP Methods (such as GET, POST, HEAD, and so on) , Purpose ,Technical characteristics, Method selection, Use of request and response primitives, Web container – Tomcat.

UNIT : 3

JSP – Basic: Basic JSP Lifecycle, JSP Directives and Elements, Scriptlets, Expressions, Action Elements, Standard Actions, Comments and Template Data, JSP variables, The out Object, Request, response, sessions and application objects.

JSP – Applications: Exceptions and exception handling using JSP, Cookies and sessions, Managing Email using JSP.

JSP Application Development: Example applications using JSP, What is JDBC? Need for JDBC, Database Drivers, Connection using JDBC API, Application development and deployment.

Introduction to PHP, History of PHP, Versions of PHP, Features of PHP, Advantages of PHP over Other Scripting Languages, Installation and Configuration of PHP, Data Types in PHP, PHP Syntax, Comments, PHP Variables and Constants, Scope of Variables, PHP String, String Manipulation, PHP Operators, Precedence of Operators, Expressions, Creating a PHP Script, Running a PHP Script.

UNIT : 4

Basic HTML, Embedding PHP in HTML, Passing Information between Pages, PHP $_GET, PHP $_POST, PHP Conditional Statements, PHP Looping Statements, Break, Continue, Exit, PHP Functions: Built-in and User Defined Function, Regular Expression Functions, Mathematical, Date and Time Functions, PHP Arrays: Creating Array and Accessing Array Elements, PHP File Permissions, Working with Files: Opening, Closing, Reading, Writing a File; Working with Directory: Creating, Deleting, Changing a Directory; Working with Forms: Introduction to a Web Form, Processing a Web Form, Validating a WebForm, Input Validation, PHP with Client Side Scripting Language, Exception and ErrorHandling in PHP, Introduction to Cookies and Session Handling,

UNIT : 5

Working with Database: PHP-Supported Databases; Using PHP & My SQL: Installation and Configuration of My SQL on Windows, Checking Configuration, Connecting to Database, Selecting a Database, Adding Table and Altering Table in a Database, Inserting, Deleting and Modifying Data in a Table, Retrieving Data, Performing Queries, Processing Result Sets, Code Re-use, require(), include(), and the include path, File System Functions and File Input and Output, File Uploads, Use of CSS, Introduction to Object Oriented Programming with PHP, Installing and Configuring Apache to use PHP on Windows, php.ini File.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Sixth Semester

COMPUTER ORIENTED NUMERICAL TECHNIQUES

(Syllabus)

UNIT : 1

Computer Arithmetic : Floating–Point Arithmetic and Errors, Rounding and Chopping of a Number and Associated Errors, Floating Point Representation of Numbers, Truncation errors and Taylor's Series.

UNIT : 2

Solution of Linear Algebraic Equations: Preliminaries, Direct Methods, Gauss Elimination Method (Basic), Gauss Elimination Method (Row Interchanges: Pivotal condensation),Iterative Methods, Gauss Jacobi Iterative Method, The Gauss-Seidel Iteration Method, Comparison of Direct and Iterative Methods. Solution of Non-linear Equations : Non Linear Equations, Solution of Non Linear Equations, Successive Substitution Method(Fixed point method), Bisection Method ,Newton-Raphson Method, Regulafalsi Method, Secant Method.

UNIT : 3

Operator : What is Interpolation, Some Operators and their Properties, Interrelation between operators, Applications of operators on some functions. Interpolation with Equal Intervals : Difference Table, Interpolation Methods, Newton Forward Difference Formula, Newton Backward Difference Formula, Central Difference Formula, Stirling's Formula, Bessle's Formula.

UNIT : 4

Interpolation with Unequal Intervals: Lagrange's Method, Divided Difference Method, Divided Difference Table, Newton's Divided Difference Method. Numerical Differentiation: Differentiation by Forward/Backward Difference Formula, Differentiation by Central Difference Formula.

UNIT : 5

Numerical Integration: Methodology's of Numerical Integration, Rectangular Rule, Trapezoidal Rule, Simpsons (1/3) Rule. Ordinary Differential Equation: Initial Value and Boundary Value Problem, Euler's Method, Improved Euler's Method, Runge Kutta (R-K) Methods (of Order 2 and 4).

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Sixth Semester

Network Programming and Administration

(Syllabus)

UNIT – I

Introduction to TCP/IP : Origin of TCP/IP and Internet, Communication ,Why do we Need the Internet, Need of Protocol on Communication, Problems in Computer Communication, Dealing with Incompatibility, A Brief History of the Internet, Architecture of the Internet, TCP/IP Layer and Protocols, Network Access Layer, Internet Layer, Need for IP Address, Classes of IP Address, Special Meanings, Who Decides the IP Addresses, Internet Protocol, Address Resolution Protocol (ARP),Reverse Address Resolution Protocol (RARP), Internet Control Message Protocol (ICMP), Transport Layer, Transmission Control Protocol, User Datagram Protocol (UDP), Application Layer, Electronic Mail, Domain Name System (DNS), How does the DNS Server Works? Simple Network Management Protocol (SNMP), Remote Login: TELNET, World Wide Web: HTTP, Networking Example.

UNIT – II

Internet Protocol : Overview of Internet Protocol, IP Header, IP Address, IP Address Classes, Subnet Masks and CIDR Networks (Classless IP Addresses), Internet-Legal Versus Private Addressing, IP Routing, Routing Protocol, Routing Algorithms.

Transport Layer Protocols: Overview of TCP, Transmission Control Protocol (TCP), TCP Header, TCP Connection Establishment and Termination, TCP Connection Establishment, TCP Connection Termination, User Datagram Protocol (UDP).

UNIT – III

Application Layer Protocols : Domain Name System (DNS), Hierarchical Name Space, Domain Servers, How does DNS Work in Internet, Domain Name Resolution, Messages Used in DNS, Dynamic DNS (DDNS), Electronic Mail, Simple Mail Transfer Protocol (SMTP), Message Transfer Agent, User Agent, Post Office Protocol (POP), Internet Mail Access Protocol (IMAP),Multipurpose Internet Mail Extension (MIME), Telnet , File Transfer Protocol (FTP).

UNIT – IV

TCP/IP Programming Concepts: Client Server Communication, Designing Client/Server Programs, Socket Concepts, IP Address and Ports, Byte Ordering, Sketch of Networking Connection, Active and Passive Sockets, Socket Fundamentals, Networking Example.

Socket Interface : Elementary Socket System Calls, Socket System Call, Bind System Call, Connect System Call, Listen System Call, Accept System Call, Elementary Data Transfer Calls, Closing a Socket, TCP and UDP Architectures, Networking Example.

Socket Programming: Advance System call, Data Transfer, Byte Operations and Addressing, Socket Options, Select System Call Raw Socket, Multiple Recipients, Uni casting, Broadcasting, Multicasting, Quality of Service Issues.

UNIT – V

Introduction To Network Administration : Role and responsibilities of Network Administrator, Linux and TCP/IP Internetworking concepts, Using Network Clients, Understanding System Initialization, Use Remote Administration Services and Tools.

Network Administration Activities: Managing software packages and File systems, Managing users, System and kernel management, Basic Troubleshooting.

Network Configuration and Setting: Configuring Networks, Dynamic Host Configuration Protocol, Domain Name System (DNS), Network File System (NFS), Web Server (Prefer Samba Server).

Network Management and Security: Networks and Security, User Security Management, Disk Security Management, Security Configuration and Analysis, Account Policies, Permissions and Restrictions, Configuring Network Settings, Advance Troubleshooting.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

BCA Sixth Semester

Science of Communication and E – Commerce

(Syllabus)

UNIT- 1

Introduction to communication theory, the fact of communication, Communication - Definition, Nature, Scope, Purpose. Process of Communication. Functions of Communication, Uses of Communication, The needs of communication, Communication and information, Communication and Languages. Definition and elements of human communication, Socialization and role of communication in Socialization Types of communication, Intrapersonal communication, Interpersonal communication, Focused and unfocused interactions, group communication, mass communication, Interactive communication ,Public Communication ,Corporate communication.

UNIT- II

Verbal communication, Non verbal communication, Importance of body language, Appropriate Body Postures ,Oral communication, Written communication, Visual communication, Signs, Symbols and code system, communication skills , Dress code . Barriers of communication, Physical barriers of communication, Psychological barriers of communication, Linguistic and cultural barriers of communication, Mechanical barriers of communication, Removal of barriers.

UNIT- III

Group communication: Types of Group discussion, Theories and Models, Decision making process, Leadership, Team work communication, Leadership skill Development, Group Discussion, Written Communication skills.

Introduction to E-Commerce: Definition and scope of E-Commerce and M-Commerce, Ecommerce trade cycle, Electronic Markets, Internet Commerce, Benefits and Impacts of ECommerce.

Elements of E-Commerce: Various elements, e-visibility, e-shops, Delivery of goods and services, Online payments, After - sales services, Internet E-Commerce security.

UNIT – IV

EDI and Electronic Payment Systems: Introduction and definition of EDI, EDI layered Architecture, EDI technology and standards, EDI communications and transactions, Benefits and applications of EDI with example, Electronic Payment Systems: credit/debit/smart cards, e-credit accounts, e-money.

Introduction to EC models: Inter-organization and intra-organization E-Commerce, Ecommerce Models: B2B, B2C, C2B, C2C, G2C, C2G.

E-Business: Introduction to Internet bookshops, Grocery Suppliers, Software Supplies and support, Electronic newspapers, Virtual auctions, Online share dealing, e-diversity.

UNIT – V

E-Security and Legal Issues: Security concerns in E-Commerce, Privacy, integrity, authenticity, non-repudiation, confidentiality, SSL, Digital Signatures and fire walls, IT Act 2000,Cyber crimes and cyber laws.

E-Security and Legal Issues: Security concerns in E-Commerce, Privacy, integrity, authenticity, non-repudiation, confidentiality, SSL, Digital Signatures and fire walls, IT Act 2000,Cyber crimes and cyber laws.

Mobile Commerce and Future of E-Commerce: Introduction to Mobile Commerce, Benefits of Mobile Commerce, Impediments of M-Commerce, M-Commerce framework, Emerging and future trends. Case Study.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-First Year

Fundamentals of Maharishi Vedic Science

(Maharishi Vedic Science – I & II)

Syllabus

Unit-I

Meaning & importance of Guru Pujan. Meaning of meditation, Mann, Intelligence, Chita, Ego, Thought .

Unit-II

Name of forty areas of Vedic Science and their expression in Human Physiology and characteristics of consciousness. Consciousness, types of consciousness, characteristics of higher stages of consciousness.

Unit-III

Maharishi's Yoga, Transcendental Meditation- a general Introduction, Types of Speech, TM Sidhi Programme, Principle of Yoga Asanas and their Concept.

Unit-IV

Introduction: Maharishi Vedic Management. Fundamental elements of Vedic Management –Totality Management of Science and Art .

Unit-V

Vedic Management and Leadership.

The Idea Leadership is based upon the Totality of Employee's Style

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-First Year

ADVANCED ABSTRACT ALGEBRA

(Syllabus)

UNIT – I

Groups – Normal and Subnormal series Composition Series Jordon-Holder theorem Solvable group. Nilpotent groups.

UNIT - II

Canonical forms – Similarity of linear transformation. Invariant subspaces. Reduction to triangular farms. Nilpotent transformation . Index of nil potency. Invariants of a nilpotent transformation. The primary decomposition theorem. Jordan block and Jordon forms. Cyclic modules simple modules Semi-simple modules. Schuler's Lemma Free modules.

UNIT - III

Field theory – Extension fields. Algebraic and transcendental extensions. Separable and Inseparable extensions. Perfect field finite field primitive elements. Algebraically closed fields . Automorphsms . of extensions, Galois extensions. Fundamental theorem of Galois theory Solution of polynomial equations by radicals. Insolvability of the general equation of degree 5 by radicals.

UNIT - IV

Noetherian and artinian modules and rings – Hilbert basis theorem. Wederbum-Artintheorem Uniforma modules, primary modules, and Noether Lasker theorem. Smith normal form over a principal ideal domain and rank.

UNIT - V

Fundamental Structure theorem for finitely generated modules over a principal ideal domain and its applications to finitely generated abelian groups. Rational canonical form. Generalised Jordan form over any field.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-First Year

REAL ANALYSIS

(Syllabus)

UNIT - I

Definition and existence of Riemann- Stielties integral, properties of the Integral, Integration and differentiation, the fundamental theorem of Calculus, integration of vector-valued functions, Rectifiable curves.

UNIT -II

Sequences and series of functions, point and uniform convergence, Cauchy criterion for uniform convergence, Weierstrass M-test, Abel's and Dirichlet's tests for uniforms convergendce and continuity uniforms convergence and Riemann-stielties integration, uniforms convergence and differentiation, Weierstrass approximation theorem, power series, uniqueness theorem for power series, Abel's and Tauber's theorems.

UNIT - III

Functions of sereral Variables, linear transformations, Derivatives in an open subset of R", Chain rule, Partial derivatives, interchange of the order of differentiation, Derivatives of higher orders, Taylor's theorem, Inverse function theorem, Implicit function theorem, jacobians, extremum problems with constraints, lagrange's multiplier method, Differentiation of Integrals, Partitions of unity, Differential forms, Stoke's theorem.

UNIT - IV

Lebesgue outer measure. Measurable sets. Regularity. Measurable function . Borel and lebesgue measurability. Non-measurable sets. Integration of Non-negative functions. The General integral, Integration of Series. Reimann and Lebesgue Integrals. The Four derivatives. Functions of Bounded variation. Lebesgue Differentiation Theorem. Differentiation and Integration.

UNIT - V

Measures and outer measures, Extension of a measure. Uniqueness of Extension. Completion of a measure. Integration with respect to a measure. The L- spaces. Convex functions, Jensen's inequality. Holder and Minkowski inequalities. Completeness of L, Convergence in Measure, Almost uniform convergence.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-First Year

TOPOLOGY

(Syllabus)

UNIT - I

Countable and uncountable sets. Infinite sets and the Axiom of Choice, Cardinal numbers and its arithmetic. Schroeder-Bernstein theorem. Cantor's theorem and the continuum hypothesis. Zorn's lemma. Well-ordering theorem. Definition and examples of topological spaces. Closed sets. Dense subsets. Neighbourhoods. Interior, exterior and boundary. Accumulation points and derived sets. Bases and sub-bases. Subspaces and relative topology.

UNIT - II

Alternate methods of defining a topology in terms of Kuratowski Closrue Operator and Neighbourhood systems. Continuous function and homeomorphism. First and second countable spaces. Lindelof's theorems. Separable spaces. Second Countability and Separability.

UNIT - III

Separation axioms T0, T1, T2, T3 ½ , T4, their characterizations and basic properties. Urysotin's lemma. Tietze extension theorem. Compactness. Continuous functions and compact sets. Basic properties of compactness. Compactness and finiteintersection property. Sequentially and countabley compact sets. Local compactness and one point
compactification. Stone-vech compactification Compactness in metric . Equivalence of compactness, countable compactness and sequential compactness in metric spaces.

UNIT - IV

Connected spaces. Connectedness on the real line. Components. Locally connected space. Tychonoff product topology in terms of standard sub-base and its characterizations. Projection maps. Separation axioms and product space. Connectedness and produces. Compactness and product spaces (Tychonoff's theorem) . Countabiltiy and product space. Embedding and metrization. Embedding lemma and Tychonolff embedding. The Urysohn metrization theorem.

UNIT - V

Nets and filters. Topology and convergence of nets. Housdorffness and nets. Compactness and nets. Filters and their convergence. Canonical way of converting nets to filters and vice-versa. Ultra-filters and compactness. Metrization theorems and paracompactness-local finiteness . The nagata-smirnov metrization theorem. Paracompactness. The smirnov metrization theorem. The fundamental group and covering spaces – Homotopy of paths . The fundamental group. Covering spaces. The fundamental group of the circle and the fundamental theorem of algebra.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-First Year

DIFFERENTIAL EQUATIONS

(Syllabus)

UNIT - I

Homogenous Linear Equation with Variable coefficient Simultaneous differential equation, Total differential Equation.

UNIT - II

Picard's Method of Integration, successive Approximation, Existence Theorem, Uniqueness Theorem. Existence & Uniqueness theorem (All Proof by Picard's method).

UNIT - III

Dependence on initial conditions and parameters; Preliminaries. Continuity Differentiability, Higher Order Differentiability. Poincare-Bendixson Theory-Autonomous systems. Umlanfsatz, Index of a stationary point., Poincare- Bendixson theorem. Stability of periodic solutions, rotation point, foci, nodes and saddle points.

UNIT - IV

Linear second order equations-Preliminaries, Basic facts. Theorems of sturm. Sturm-Liovville Boundary Value Problems. Numbers of Zeros. Nonoscillatory equations and principal solutions. Nonoscillation theorems.

UNIT - V

Partial differential Equation of first & Second order. Linear partial differential Equation with constant coefficient.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-First Year

ADVANCED DISCRETE MATHEMATICS

(Syllabus)

UNIT - I

Formal Ligic – Statements, Symbolic Representation and Tautologies. Quantifiers, Predicates and Validity, Propositional Logic. Semigroups & Monoides-Definitions and Examples of Semigroups and Monoids (Including those pertaining to concatenation operation). Homomorphism of semigroups and monoids. Congruence relation and Quotient Semigroups. Subsemigroup and submonoids. Direct products Basic Homomorphism Theorem.

UNIT - II

Lattices – Lattices partially ordered. Their properties. Lattices as Algebraic system. Sublattices, Direct products, and Homomorphisms. Some Special Lattices e.g., Complete, Complemented and Distributive Lattices.

Boolean Algebras – Boolean Algebras as Lattices, Various Boolean Identitios. The Switching Algebra example. Subalgebras, Direct Products and Homomorphisms. Join-irreducible elements, Atoms and Minterms. Boolean forms and Their Equivalence. Miniterm Boolean Forms, Sum of Products Canonical Forms. Minimization of Boolean Functions. Applications of Boolean Algebra to Switching Theory (Using AND, OR & NOT gates) The karnaugh Map method.

UNIT - III

Graph Theory – Definition of (Undirected) Graphs, Paths, Circuits, Cycle & Subgraphs. Induced Subgraphs. Degree of a vertex. Connectivity, Planar Graphs and their properties, Trees. Euler's Formula for connected planar Graphs complete & Complete Bipartite Graphs, Kuratowski's Theorem (statement only) and its use spanning Trees, Cut-sets, fundamental Cut-sets, and Cycle Minimal Spanning Trees and Kruskal's Algorithm, Matrix Representations of Graphs, Euler's Theorem on the Existence of Eulerian Paths and Circuits Directed Graphs. Indegree and Outdegree of a Vertex. Weighted undirected Graphs, Dijkstra's Algorithm. Strong Connectivity & Warshall's Algorithm. Directed Trees, Search Trees. Tree Traversals.

UNIT - IV

Introductory Computability Theory – Finite state Machine and their Transition Table Diagrams. Equivalence of Finite state Machines. Reduced Machines. Homomorphism, Finite Automata, Acceptors. Non-deterministic Finite Automata and equivalence of its power to that of Deterministic Finite Automata. Moore and Mealy Machines. Turing Machine and Partial Recursive Functions.

UNIT - V

Grammars and Language – Phrase – Structure Grammars, Rewriting Rules, Derivations, Sentential Forms. Language generated by a Grammar. Regular; Context-Free, and Context Sensitive Grammars and Language, Regular sets, Regular Expressions and the Pumping Lemma: Kleene's theorem. Notions of Syntax Analysis, Polish Notations, Conversion of Infix Expressions to Palish Notations. The Reverse Polish Notation.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-First Year

DIFFERENTIAL GEOMETRY OF MANIFOLDS

(Syllabus)

UNIT - I

Definition and examples of differentiable manifolds. Tangent spaces. Jacobian. One parameter group of transformations. Lie derivatives. Immersions and imabeddings. Distributions Exterior algebra, Exterior derivative.

UNIT - II

Topological groups. Lie groups and lie algebras, Products of two Liegroups. One parameter subgroups and exponential maps. Examples of Liegroups. Homomorphism and Isomorphism. Lie transformation groups. General linear groups. Principal fibre bundle. Linear frame bundle. Associated fibre bundle. Vector bundle . Tangent bundle. Induced bundle. Bundle homomorphisms.

UNIT - III

Riemannian manifolds Riemannian connection. Curvature tensors. Sectional Curvature. Schur's theorem Geodesics in a Riemannian manifold. Projective curvature tensor. Conformal curvature tensor.

UNIT - IV

Sub manifolds & Hypersurfaces. Normals. Gauss formulae. Weigarten equations. Lines of curvature. Generalized Gauss and Mainardi-Codazziequations.

UNIT - V

Almost Complex manifolds. Nijenhuis tensor. Contravariant and covariant almost analytic vector fields. F-connections.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-Second Year
Fundamentals of Maharishi Vedic Science
(MAHARISHI VEDIC SCIENCE – I & II)
Syllabus

UNIT – I

Name of 21-40 areas of Vedic Science & their expression in Human Physiology and detail with diagram.Consciousness, types of consciousness, characteristics of higher stages of consciousness.

UNIT – II

Introduction to Maharishi Gandharva Veda
Introduction to Maharishi Sthapatya Ved

UNIT –lII

Maharishi's Swasthya Vidhan
Introduction to Maharishi Vedic Management
Fundamental Elements of Vedic Management:- Totality
Ideal Management in Indian Society (Ashram Vavstha :Cast, Religious)
Management Science and Art.

UNIT-IV

Maharishi Absolute theory of Defence.
Maharishi Absolute theory of Development.Maharishi Absolute theory of Information.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-Second Year

INTEGRATION THEORY AND FUNCTIONAL ANALYSIS

(Syllabus)

UNIT : 1

Integration Theory: Sinned measure. Hahn decomposition theorem, mutually singular measures, Radon-Nikodym theorem. Labesgue decomposition. Riesz representation theorem, Extension theorem (Caratheodory), Lebesgue-Stielitijes integral, product measures, Fubini's theorem.

UNIT : 2

Baire sets. Baire measure, continuous functions with compact support. Regularity of measures on locally compact spaces. Integration of continuous function with compact support, Riez-Markoff theorem.

UNIT : 3

Functional Analysis : Normed Linear Spaces, Banach Spaces with examples, Quotient space of normed linear space and its completeness, bounded linear transformations, normed linear space of bounded linear transformations, dual (conjugate) spaces with examples, natural imbedding of a normed linear space in its second dual, open mapping theorem, closed graph theorem, uniform boundedness principle and its consequences.

UNIT : 4

Finite dimensional normed spaces and subspaces, Equivalent norms, finite dimensional normed linear spaces and compactness, Riesz lemma, Hahn Banach theorem for real linear space, complex linear space, and normed linear space, Adjoint operators, Reflexive spaces, Weak convergence, weak" Convergence.

UNIT : 5

Lnner product space, Hilbert space, Orthogonal Complements , Orthonormal sets, Bessel's inequality, complete orthonormal sets and passeval's identity,conjugate space H" and reflexivity of Hibert space, Adjoint of an operator on a Hilbert space , self-adjoint operators, positive, projection, normal and unitary operators.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-Second Year

PARTIAL DIFFERENTIAL EQUATIONS & MECHANICS

(Syllabus)

UNIT : 1

Partial Differential Equations : Examples of PDE. Classification. Transport Equation– Initial Value Problem, Non homogeneous equation, Laplape's equation-Fundamental Solution, Mean value formula, Properties of solutions, Energy Methods. Wave equation – Solution by Spherical Means, Non – Homogenous Equations, Energy Methods.

UNIT : 2

Nonlinear First Order PDE – Complete Integrals, Envelopes, Characteristics, Hamilton, Jacobi Equations (Colculus of Variations, Hamilton's ODE, Legendre Transform, Hpf-Lax Formula, Weak Solutions, Uniqueness). Representation of solutions-Separation of variables, Similarity Solutions (Plane and Travelling Waves, Solutions, Similarity under Scaling) , Fourier andLaplace Transform, Hopf – Cole Transform, Hodograph and Legendra Transform, Potential Function.

UNIT : 3

Mechanics :- Analytical Dynamics : Generalized coordinates. Holonomic and Non-holonomic systems. Scleronomic and Rheonomic systems. Generalized potential. Lagrange's equations of first kind. Lagrange's equations of second kind. Uniqueness of solution. Energy equation for conservative fields.Hamilton's variables, Donkin's theorem Hamilton canonical equations. Cyclic coordinates Routh's equations, Poisson's Bracket. Poission's Identity. Jacobi-Poisson Theorem.

UNIT : 4

Hamilton's Principle, Principle of least action. Poincare cartan Integral Invariant whittaker's equations. Jacobis equations. Statement of Lee Hwo Chung's theorem. Hamilton-Jacobi equation. Jacobi theorem. Method of spearction of variables Largrange Brackets conoitin of canonical character of a Transformation in term of lagrange brackets and Peisson brackets. Invariance of Lagrange brackets and Poisson brackets under canonical transformations.

UNIT : 5

Gravitation: Attraction and potential of rod, disc, spherical shells and sphere. Surface integral of normal attraction (application & Gauss theorem) . Laplace and Poisson equations. Workdone by self attracting systems. Distributions for a given potential. Equipotential Surfaces. Surface and solid harmonics surface density in term of surface harmonics.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-Second Year

INTEGRAL EQUATIONS AND BOUNDARY VALUE PROBLEMS

(Syllabus)

UNIT : 1

Definitions of Integral Equations and their classification. Eigen values and Eigen functions. Fredhol mintegral equations of second kind with separable kemels. Reduction to a system of algebraic equations. An Approximate Method. Method of successive Approximations. Iterative scheme for fredholm Integral equations of the second kind. Conditions of uniformconvergence and uniqueness of series solution. Resolvent kernel and its results. Application of Iterative Scheme to Volterra integral equations of the Second kind . Classical Fredholm Theory. Fredholm Theorems.

UNIT : 2

Integral Transform Method, Fourier Transform. Laplace Transform, Convolution integral. Application to volterra integral equations with convolution – type kernels. Abel's equations. Inversion formula for singular integral equation with kenrnel of the type(h(s)-h(t)-a,O<a<1. Cauchy's Principal value of singular integrals. Solution on the Cauchy-type singular integral equation. The Hilbert kernel. Solution on the Hilbert-type singular integral equation.

UNIT : 3

Symmetric kernels. Complex Hilbert Space. Orthonormal system of functions. Fundamental properties of eigen values and eigen functions for symmetric kernels. Expansion in eigen function and bilinear form. Hilbert Schmidt Theorem and some immediate consequences solutions of integral equations with sysmmetric kernels.

UNIT : 4

Definition of a boundary value problem for an ordinary differential equation of the second order and its reduction to a Fredholm integral equation of the second kind. Dirac Delta function. Green's function approach to reduce boundary value problems of a self-adjoint differential equation, with homogeneous boundary conditions to integral equation forms. Au
xiliary problem satisfied by Green's function. Integral equation formulations of boundary value problems with more general and inhomogeneous boundary conditions. Modified Green's function.

UNIT : 5

Integral representation formulas for the solution of the Laplace's and Poission's equations. Newtonian single-layer and double layer potentials. Interiorand exterior Dirichief and Neumann boundary valueproblems for Laplace's equation Green's function for Laplaces's equation in a free space as well as inspace boundary by a ground vessel Integral equation formulation of boundary value problems for Laplace's equation.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-Second Year

OPERATIONS RESEARCH

(Syllabus)

UNIT : 1

Operations Research and its Scope. Linear Programming-Simplex Method. Theory of the Simplex Method. Duality and Sensitivity Analysis. Other Algorithms for Linear Programming-Dual Simplex Method, Parametric Linear Programming . Upper Bound Technique Interior Point Algorithm. Linear Goal Programming.

UNIT : 2

Transportation and Assignment Problems Network Analysis-Shortest Path Problem. Minimum Spanning Tree Problem. Maximum Flow Problem. Minimum Cost Flow Problem. Network Simplex Method. Project Planning and Control With PERT-CPM.

UNIT : 3

Dynamic Programming-Deterministic and ProbabilisticDyanamic Programming . Game Theory – Two-Person, Zero-Sum Games. Games with Mixed Strategies. Graphical Solution. Solution by Linear Programming.

UNIT : 4

Integer Programming-Branch and Bound Technique, Simulation Replacement Problems, sequencing.

UNIT : 5

Nonlinear Programming-One and Multi-Variable Unconstrained Optimization. Kuhn-Tucker Conditions for Constrained Optimization. Quadratic Programming. Separable Programming. Convex Programming. Non-convex Programming.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-Second Year

INTEGRAL TRANSFORMS WITH APPLICATIONS

(Syllabus)

UNIT : 1

The laplace transforms & its inversions: Definition. Laplace transform of elementary Sectionally continuous and exponential order function including its existence,some important properties of laplace transforms of derivatives and integrals. Multiplication and division by I periodic functions. Initial and final value theorems,laplace transforms of some special functions. Definition and uniqueness theorem of inverse laplace transform.Inversion of some elementary functions, some properties of inverse laplace transform. Inverse laplace transform of derivatives and integrals. Multiplication and division by powerof 's' . The convolution property. Complex inversion formula, Heaviside expansion formula, Evaluation of intergrals.

UNIT : 2

Application of laplace transforms. Ordinary differential equations with constant coefficients, ordinary differential equations with variable coefficient. Simultaneous ordinary differential equations. Partial differential equations. Application to Mechanics, electrical circuits, beam
s. Application to solution of integral equaions – integral equations of convolution type, Abel's integral equation. Integro-Differential equation, difference and differential-difference equations.

UNIT : 3

Fourier Series and Integrals : Fouries series, Odd and Even functions, Half range fourier sine and cosine series complex form of fourier series, Rarseval's Identity for founer sencs finite fourier transforms, the fourier integral/at including its complex form, fourier transforms, in
cluding sine and cosine transforms convolution theorem, Parseval's identity for Fourier integrals. Relations between fourier and laplace transforms, Multiple finity fourier transform Solution of simple partial differential equations by means fof fourier transforms

UNIT : 4

Mellin and Hankel Transforms; Elementery properties of the Mellin Transforms, Mellin transforms of derivatives and Integrals Mellin-Inversion Theorem of Some. * The solution convolution Theorem integral equations. The distribution of Potntial in a wedge. Application to the summation of series. Elementary properties of Hankel transforms Hankel Inversion Jheorem, Hankel transforms of the derivatives of functions and some elementary funciotn, Relations between lourier and Hankel Transform, Parseval Relation for Hankel Transforms, the
use of Hankel Transforms in the solution of simple partial differential equations.

UNIT : 5

Application to Boundary value problems: Boundary value problems involving partial differential equations, on dimensional heat conduction equation, one dimerisional wave equation, longitudinal and transverse Vibration of a beam, Solution of boundary value problems by laplace transform. Simple boundary value problems with applications of fourier transform.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-Second Year

PROGRAMMING IN C

(Syllabus)

UNIT : 1

An overview of programming. Programming Language Classification of programming Language. Procedural oriented. Object oriented programming Language, Characteristics of a good programming Language Introduction to C, Basic, Structure of C-Program Programming style Execution of C Program. C tokens, Keywords of Identifiers constants, Variables. Declaration of variable; Assigning value to variable.

UNIT : 2

Operators and Expression Arithmetic , Operators, Relational Operator, Logical Operator, Assignment Operator, Increment Operator, Decrement Operator, conditional operators, Bit wise operator, special operator Arithmetic Expression, Evaluation of Expression, Operator precedence & associativity. Input and output statements. Formatted input &formatted output.

UNIT : 3

Decision making and branching: it, else, nested if else, if Ladder, switch statements; ? Operator GOTO operator; Looping statement:- While, do , for Jumps in Loops Arrays, one dimensional arrays, two dimensional array, multidimensional array. Pointers, Declaration of pointer accessing the address of a variable, initiating pointers, accessing a variable through its pointer. Pointer and arrays, pointer and function, pointer and structure.

UNIT : 4

Handling of character strings, declaring and initializing string variables. String Handling functions User defined function form of C-function, Return values & their types, calling a function by value & reference Nesting of function recursion, function with array & structures and union , structure initialization array of structures, structure within structure, structure and function.

UNIT : 5

File management in C, Defining & Opening a file, closing a file, Input/output operations on file Error hand I/O operator Random access to the files, Command, line argument Preprocessors-Macro substitution, ANSI editions computer control directives.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

MSc(Maths)-Second Year

FUNDAMENTALS OF COMPUTER SCIENCE

(Syllabus)

UNIT : 1

Principles of object oriented programming object oriented paradigm, Basic concept of object oriented programming, Benefits of OOPs, objected oriented language, application of OOPs. Introduction to C++, Structure of Program. Compiling & linking of C++ Program.

UNIT : 2

Classes, objects ,constructor and Destructor operator overloading and type conversion, Inheritance, single Inheritance, Multilevel Inheritance, pointers, virtual functions and polymorphism Templates, class Template, function Templates, New ANSI C++ features object oriented systems development procedure oriented paradigm, Development Tools, object oriented paradigm.

UNIT : 3

Introduction to data base systems, operational Data, Data independence, data base system architecture Relational approach to data structures Relations, Domain and attributes, keys, Extension, Relational Data manipulations, Relational Algebra and relational calculus. SQL – basic features, Integrity constraints Database design – Normalization up to BCNF.

UNIT : 4

Data structure –Date types – Classification of data structure linked lists, stalk & Queues, Operation of Lists Stack & Queues, Algorithm for lists stack &Queue Trees properties of tree, Types : - Binary, Binary search, Tree, B-Tree Hashing Techniques Sorting Techniques– Selection sorts Bubble sort, Quick sort, heap sort.

UNIT : 5

Operating system, Services: offered classification of O/S Function of O/S process Management, file Management Memory Management I/O Management concept of virtual memory, security threads protection intruders; virus trusted system, Introduction to Distributed systems.

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Yog Praman Patra

महर्षि योग (सिद्धान्त)

(Syllabus)

इकाई 1

महर्षि योग का सामान्य परिचय। योग शब्द का अर्थ एवं परिभाषा। भावातीत ध्यान – स्वरूप। यौगिक उड़ान – स्वरूप। योग के प्रकार एवं उनकी विशेषताएँ। योग की परम्परा। योग के आधारभूत ग्रंथों का परिचय। (पतंजलि योगदर्शनम्, हठयोगप्रदीपिका, घेरण्डसंहिता, योगवाषिष्ठ, गोरक्ष संहिता)

इकाई 2

यौगित सत्ता। सृष्टि एवं व्यक्ति का स्वरूप। द्वैतसिद्धान्त, प्रकृति और पुरूष का स्वरूप। सृष्टि का आरम्भ। तेईस तत्वों की उत्पत्ति, पुनर्जन्म एवं संसार चक्र। कैवल्यावस्था का वर्णन।

इकाई 3

मनोव्यवहार का यौगिक दृष्टिकोणद्ध। आधिभौतिक दुःख, आधिदैविक दुःख एवं आध्यात्मिक दुःख। चित्त की पाँच भूमियाँ एवं वृत्तियाँ। चित्त विक्षेप। चित्त निरोधक उपाय – अभ्यास एवं वैराग्य।

इकाई 4

प्रमाण के सिद्धांत। विद्या से बन्धन की प्राप्ति। योग के अभ्यास से अविद्या का नाश। विवेक या विवाद (भ्रम का सिद्धान्त) संयम से प्राप्त सिद्धियाँ एवं प्रकार।

इकाई 5

प्राणिधान एवं उसका स्वरूप। ओम् (प्रणव) का स्वरूप व योग में महत्व। चित्त प्रसन्न करने के लिए मैत्री आदि का महत्व कैवल्य का स्वरूप। जीवमुक्ति का स्वरूप एवं विशेषताएँ ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Yog Praman Patra

महर्षि योग (साधना)

(Syllabus)

इकाई 1

यम–अहिंसा, सत्य, अस्तेय, ब्रह्मचर्य, अपरिग्रह । नियम – शौच, संतोष, तप, स्वाध्याय, ईश्वरप्राणिधान । आसन – परिभाषा, स्वरूप एवं महत्व । प्राणायाम – पूरक, कुम्भक और रेचक । प्रत्याहार – स्वरूप ।

इकाई 2

धारणा–स्वरूप, प्रक्रिया । ध्यान–स्वरूप, प्रक्रिया । समाधि–प्रकार, सबीज एवं निर्बीज समाधि । संयम–स्वरूप । अष्ट सिद्धियाँ – अणिमा, महिमा, लधिमा आदि का स्वरूप एवं प्रभाव ।

इकाई 3

बन्ध– स्वरूप, महत्व एवं उपयोगिता । मुद्रा – स्वरूप, महत्व एवं उपयोगिता । षट्क्रिया – स्वरूप, महत्व एवं उपयोगिता । षट्चक्र– चक्रों के नाम स्थिति । कुण्डलिनी शक्ति का स्वरूप, स्थान एवं जागरण । नाड़ी शुद्धि, स्वरूप, प्रकार नाड़ियाँ एवं वायुओं का वर्णन ।

इकाई 4

यौगिक आहार– परिभाषा एवं महत्व, घटक एवं कार्य । आहार में उपयुक्त एवं वर्जित पदार्थ । यौगिक दिनचर्या । पचन संस्थान के अंग एवं पाचन की क्रिया । आँख, कान, घ्राण, त्वचा एवं स्वाद की इन्द्रियाँ तथा कार्य ।

इकाई 5

योगोपचार पद्धति का विकास । योगोपचार की विशेषताएँ । योगोपचार में आसन, प्राणायाम, मुद्रा, बन्ध, शुद्धि क्रियाओं एवं भावातीत ध्यान का महत्व ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Yog Praman Patra

महर्षि योग (क्रियात्मक)

(Syllabus)

इकाई 1

योग की प्रारम्भिक तैयारी, अभ्यास की मर्यादा, अभ्यास के लिए उपयुक्त स्थान, उपयुक्त पोशाक। अभ्यास का समय, अभ्यास का क्रम, अन्य व्यायामों के साथ योगाभ्यास का तालमेल। आसन – पद्मासन, सिद्धासन, सूर्यनमस्कार, पर्वतासन, गोरक्षासन, लोलासन, बकासन, मयूरासन, भुजंगासन, मकरासन, गर्भासन, तोलाँगलासन, आकर्णधनुरासन, एकपादशिरासन, वृश्रिकासन, जानुशिरासन, वातानासन, मत्स्येन्द्रसन, शशकासन, पादागष्ठासन, उत्तनकूमासन, शवासन, शीर्षासन, चक्रासन।

इकाई 2

प्राणायाम – पूरक, कुम्भक, रेचकः, सूर्यभेदन, उज्जायी, शीतली, सीत्कारी, भस्त्रिका।

इकाई 3

बन्ध – उडिडयन बन्ध, मूलबन्ध, जिह्य बन्ध, जालन्धर बन्ध, महाबन्ध। मुद्रा – महामुद्रा विपरीतकरणी, योगमुद्रा, अश्रिनीमुद्रा।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

Yog Praman Patra

संस्कृत तथा महर्षि वेद विज्ञान

(Syllabus)

इकाई १

वेद विज्ञान का सामान्य परिचय। वेद विज्ञान का स्वरूप एवं विषय। अपौरूषेयता। भावातीत ध्यान एवं चेतना।

इकाई २

संहिता, ऋषि, देवता एवं छंद की अवधारणा। ऋग्वेद से उपनिषद् तक के क्षेत्रों का सामान्य परिचय। मन्त्रद्रष्टा ऋषियों के नाम। शरीर में इनके स्थान। आरण्यक से प्रातिशाख्य तक के क्षेत्रों का सामान्य परिचय। चेतना स्पन्दनों का गुण।

इकाई ३

निर्धारित विषयों के ग्रन्थों का आनपूर्वी पाठ।

इकाई ४

शब्दों का भेदात्मक परिचय, अकार-आकार-इकार-उकारान्त शब्दों का तीनों लिगों में रूप विवरण। (रामं-रमा-फल, हरि-मति-दधि, गुरू-वधु) । विशेषण शब्दों का परिचयर एवं भेद एवं कारक का सामान्य परिचय। अव्यय शब्दों का परिचय एवं भेद। सर्वनाम शब्दों का परिचय एवं युष्मद अस्मद् तत् शब्दों का रूप विवरण।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष,
प्रथम प्रश्नपत्रम्
महर्षिवेदविज्ञानम् – प्रथम

ईकाई–1
चेतना

इकाई–2
वैदिकवा्मय के 40 क्षेत्र, भारीर में स्थान एवं चेतना का गुण

इकाई–3
शिक्षा का परम सिद्धान्त पर आधारित चेतना के स्तर

इकाई–4
शाङ्र्गधर संहिता
प्रथमोऽध्यायः

इकाई–5
शाङ्र्गधर संहिता
द्वितीयोऽध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष,
द्वितीय प्रश्नपत्रम्
वैदिकवाङ्मयः–प्रथम

ईकाई–1
आव वलायनगृह्यसूत्रम् – नारायणवृत्तिसहितं प्रथमोऽध्यायः

इकाई–2
तैत्तिरीयप्रातिशाख्यम् 1–2 अध्यायाः

इकाई–3
तैत्तिरीयप्रातिशाख्यम् 3–4 अध्यायाः

इकाई–4
ताण्ड्यब्राह्मणम् प्रथमाध्यायस्य तृतीयचतुर्थखण्डौ

इकाई–5
वैदिकगणितम् 21–25 अध्यायाः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष,
तृतीय प्रश्नपत्रम्
सामान्यसंस्कृतम्– प्रथम

ईकाई–1
संज्ञा एवं संन्धि प्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष,
चतुर्थ प्रश्नपत्रम्
हिन्दी प्रथम

ईकाई–1
मध्यकालीनकाव्य संकलन– (कवि –कबीर, सूरतथा तुलसी)

इकाई–2
गद्य–वैशाली की नगर वधु
लेखकः आचार्यचतुरसेन शास्त्री

इकाई–3
रस– (सभी रसोंकासाधारण परिचय)

इकाई–4
अलंकार–विराधाभास, अन्योक्ति, अतिसंयोक्ति, अनुप्रास, यमक, भलेश, उपमा, उत्प्रेक्षा।

इकाई–5
अनुवाद– (संस्कृत सेहिन्दी, हिन्दीसे संस्कृत)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष

पंचम पश्न पत्र

बृहत्पाराशरहोराशास्त्रम्–प्रथम

ईकाई–1

सृष्टि क्रम का वर्णन, ग्रहों के अवतार, ग्रह गुण स्वरूप अध्याय, राशि स्वरूप अध्याय।

इकाई–2

भाव, होरा, घटी लग्नों का वर्णन, राशियों की वर्णदशा, षोडस वर्ग विवेचना, वर्ग विवेचना।

इकाई–3

राशि दृष्टि व भेद, अरिष्ट व ग्रह योग, अरिष्ट भंग, द्वादश भाव निरूपण, भाव विवेचन आदि।

इकाई–4

लग्र भाव, धन भाव, पराक्रम भाव, सुख भाव की विवेचना।

इकाई–5

पंचम भाव, षष्ठभाव, सप्तम भाव व अष्टम भाव के फल का निर्धारण।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष

षष्ठप्रश्नपत्रम्

बृहज्जातकम

पाठ्यग्रन्थाः

बृहज्जातकम्– (सम्पूर्णम्)

सम्पादक : सुरेश चन्द्र मिश्र, प्रकाशकः– रंजन पब्लिकेशन्स, नई दिल्ली।

इकाई–1

राशिभेद अध्याय, ग्रहयोनि प्रभेद अध्याय, वियोनिजन्म अध्याय, निषेकाध्याय, जन्मविधी नामाध्याय।

इकाई–2

अरिष्टाध्याय, आयुदार्यअध्याय, दशा–अंर्तदशा अध्याय, अष्टक वर्ग अध्याय, कर्मजीव अध्याय, राजयोगाध्याय।

इकाई–3

नाभसयोगाध्याय, चन्द्रयोगाध्याय, द्विग्रहयोगाध्याय, प्रव्रज्यायोगाध्याय, ऋक्षशीलाध्याय, राशिशीलाध्याय, दृष्टिफलाध्याय, भावाध्याय, आश्रययोगाध्याय।

इकाई–4

चन्द्रराशिशीलाध्याय, राशिशीलाध्याय,दृष्टिफलाध्याय, भावाध्याय, आश्रययोगाध्याय।

इकाई–5

प्रकीर्णकाध्याय, अनिष्टाध्याय, स्त्रीजातकाध्याय, नैर्याणिकाध्याय, नष्टजातकाध्याय, द्रेष्काणाध्याय।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष

सप्तमप्रश्नपत्रम

ताजिकनीलकण्ठी–प्रथम

इकाई–1

मंगलाचरण,द्वादश राशियों का पृथक–पृथक परिचय, राशियों के परस्पर मित्रामित्रत्व का विचार, राशियों के स्वरूप, गुण एवं धर्म, वर्ष प्रवेश का दिनादि इष्टकाल साधन विधि, तिथि साधन, ग्रहगति जानने का नियम, स्पश्ट चन्द्रानयन, भयात् भभोग निकालने की विधि, दशमलग्नसाधनार्थनतकालसाधनम्, लग्नानयनम्, पलभा एवं चरखण्ड, दशमलग्न साधन।

इकाई–2

ससन्धिद्वादशभाव साधन, इष्टकाल पर लग्नसाधन की विधि, भावस्थ ग्रहफल एवं विंशोपक बल राशियों के स्वामी और द्रेश्काण साधन एवं राशि स्वामी चक, द्रेश्काण चक और देखने का नियम, ग्रहों की उच्चता, ग्रहों के नीच, उच्च बल और नवांश, नवांश एवं बोधक चक्र, नवांश कुण्डली, मेशादि द्वादश राशियों के हद्देश साधन, पंचवर्गीबल, ग्रहों के बल कथन, द्वादश वर्गी बल संज्ञा, होरा–द्रेश्काण–चतुर्थांश साधन, पंचमाश–द्वादशांश साधन, शश्ठांश–एकादशांश साधन, द्वादशवर्ग, फल, ग्रहफल निर्णय, क्षेत्रभेद से ग्रहों के भुभत्व–पापत्व का विचार, द्वादश भावों का शुभाशुभ वर्ग।

इकाई–3

लग्नादि द्वादश भाव पर्यन्त विचारणीय विशय, द्वादश भाव से विचारणीय विषय के लिए स्पष्ट चक्र, बली ग्रह का लक्षण, त्रैराशिक स्वामी एवं स्पष्टार्थ चक्र, त्रिराशिपति एवं द्रेश्काण का प्रयोजन, वर्षश निर्णय के लिए पंचाधिकारी ग्रह का साधन, दृश्टिसाम्य होने पर वर्षेश का निर्णय एवं मतान्तर से वर्षेश निर्णय, मुथहा साधन, राहु का मुख, पृष्ठ और पुच्छ, ग्रहों के स्वरूप, दृष्टिप्रकरण, दृष्टिफल साधन, ग्रहमैत्री एवं ग्रहों के दीप्तांश।

इकाई–4

षोडश योगों के नाम, इक्कवाल योग, इत्थ ाालयोग का लक्षण एवं इत्थशाल योग का भेद, ईसराफयोग का लक्षण, नक्त योग का लक्षण एवं उदाहरण, यमया योग का लक्षण, मणऊ योग का लक्षण एवं उदाहरण, मणऊ योग का भेद एवं द्वितीय उदाहरण, उत्तमाधिकारस्थचन्द्र से चार प्रकार के कम्बूल योग, मध्यमोत्तम एवं उत्तम कम्बूल का लक्षण, उत्तम अधम कम्बूल योग और मध्यमोत्तम कम्बूल योग, मध्यम कम्बूल योग का लक्षण, मध्यमाधम कम्बूल योग लक्षण, हीनचन्द्रमा से उत्तम कम्बूल योग का लक्षण, अधिकार हीन चन्द्रमा से मध्यम कम्बूल योग का लक्षण, मध्यम कम्बूल लक्षण एवं अधम कम्बूल योग, अधमोत्तम एवं अधम–मध्यम कम्बूल योग का लक्षण, अधमाधम कम्बूल योग एवं उत्तमोत्तम कम्बूल योग का उदाहरण, पंचमेश एवं भाग्येश, कम्बूल योग में विशेष स्थिति का लक्षण, भून्यमार्गगत ग्रह का लक्षण, गौरीकम्बूल योग का लक्षण, खल्लासर योग का लक्षण और रद्दयोग का लक्षण एवं विषेश कथन दुफालियोग का लक्षण एवं दुत्थोत्थदवीर का लक्षण, तम्बीर योग का लक्षण, कुत्थयोग का लक्षण एवं निर्बल ग्रह का लक्षण, दुरुफयोग का लक्षण एवं चन्द्रमा के द्वारा विषेश प्रकार के दुरुफयोग, ग्रहों के पांच प्रकार के हर्श स्थान।

इकाई–5

पुण्यसहम साधन विधि, गुरु–विद्या और यश सहम का साधन, मित्र सहम, महात्म्य सहम एवं आशा सहम, सामर्थ सहम एवं भ्रातृ सहम एवं गौरव–राज–तात सहम साधन, माता–पुत्र जीवन और जल सहम, कर्म–योग–मन्मथ सहमानयन, कलि–क्षमा–शास्त्र सहमानयम, बन्धु–बन्दक– और मृत्यु सहमानयन, दिशांन्तर सहम–अर्थ सहम साधन, परदारा–अन्यकर्म–वणिक एवं कार्यसिद्धि–विवार सहनानयनम्, शत्रु–शौर्य–उपाय–दरिद्र–गुरूता सहमानयन, अम्बुपथ और बन्धन सहम एवं कन्या और अश्व सहम, सहमफल प्राप्ति समय साधन, निर्बल ग्रह के लक्षण और सहमफल की वृद्धि एवं ह्रास का ज्ञान, पुण्यसहम फल की विषेशता और अशुभ स्थानों में पुण्य सहम का फल एवं प्रसंशा, रोग और मृत्यु आदि सहमों की विषेशता, कार्यसिद्धि सहम का भाुभाशुभ फल, कलिसहम का भाुभाशुभ फल, विवाह सहम का भाुभाशुभ फल, यश सहम का फल एवं आशा सहम का फल विचार, रोग सहम का फल एवं अर्थसहम, भात्रु एवं मित्र दृष्टि, पुत्र सहम एवं पितृ सहम का फल, बन्धन– गौरव–कर्म सहम के नाम, फल एवं स्पष्टीकरण।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)—द्वितीयवर्ष

प्रथम प्रभनपत्रम्

महर्षिवेदविज्ञानम् – द्वितीय

ईकाई–1
महर्षि संदेश

इकाई–2
वैदिकवाङ्मय के 40 क्षेत्र, शरीर में स्थान एवं चेतना का गुण

इकाई–3
महर्षि योग

इकाई–4
शाङ्र्गधर संहिता
तृतीयोऽध्यायः

इकाई–5
शाङ्र्गधर संहिता
चतुर्थोऽध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)—द्वितीयवर्ष

द्वितीय प्रश्नपत्रम्

वैदिकवाङ्मयः— द्वितीय

ईकाई—1

आव वलायनगृह्यसूत्रस्य नारायणवृत्तिसंहितं द्वितीयोऽध्यायः

इकाई—2

तैत्तिरीयप्रातिशाख्यम्— पंचमोऽध्यायः

इकाई—3

तैत्तिरीयप्रातिशाख्यम्— षश्ठोऽध्यायः

इकाई—4

ताण्ड्यब्राह्मणस्य प्रथमाध्यायस्य पंचमशश्ठसप्तमाध्यायः

इकाई—5

वैदिकगणितम्— 26—30 अध्यायाः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)—द्वितीयवर्ष

तृतीय प्रश्नपत्रम्

सामान्यसंस्कृतम्— द्वितीय

ईकाई—1
अजन्तपुलिंगप्रकरणम

इकाई—2
वाल्मीकिरामायणस्य

इकाई—3
अमरकोशः

इकाई—4
अनुवादः

इकाई—5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)—द्वितीयवर्ष

चतुर्थ प्रश्नपत्रम्

हिन्दी्— द्वितीय

ईकाई—1

आधुनिककाव्य संकलन, कवि—मैथिलीशरणगुप्त, जयशंकरप्रसाद,

इकाई—2

कवि—सुमित्रानन्दनपंत, सूर्यकान्त त्रिपाठी 'निराला', माखनलालचतुर्वेदी

इकाई—3

काव्य शिल्प—बिम्ब, प्रतीकऔरमुक्त छंद

इकाई—4

ध्रुवस्वामिनी (नाटक) लेखक—जयशंकरप्रसाद

इकाई—5

ध्रुवस्वामिनी (नाटक) लेखक— जयशंकरप्रसाद, समीक्षा एवंव्याख्या

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)—द्वितीयवर्ष

पंचम पश्न पत्र

बृहत्पाराशरहोराशास्त्रम्—द्वितीय

इकाई—1

भाग्यभाव, दशमभाव, लाभभाव, व्यय भावों का फल निरूपण।

इकाई—2

भावेशों का द्वादश भावों में फल, प्रकाश ग्रहों का फल, पद भाव से फल निरूपण, उप पद द्वारा फलकथन।

इकाई—3

अर्गला व फल, कारक ग्रहों की उपयोगिता, कारकांश स्थित ग्रह फल, कारकांश से अरिष्ट, कारकांश से भाव विवेचन, योग कारक ग्रह निर्णय व फल।

इकाई—4

नाभस योग, फल, गजकेशरी योग, अमला योग विभिन्नयोग व उनका फल, सूर्य चन्द्र द्वारा निर्मित योग व फल, विभिन्न प्रकार के राजयोग व उनका फल आदि।

इकाई—5

विभिन्न धन योग व फल, दरिद्र योग व फल, आयुदार्य योग, दीर्घायु, मध्यम आयु, कम आयु, मारक ग्रह लक्षण, योग दशा मृत्यु का स्थान, कारण विवारण उपाय।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)—द्वितीयवर्ष

षष्ठप्रश्नपत्रम्

जैमिनिसूंत्रम— चमत्कारचिन्तामणिः

पाठ्यग्रन्थाः

जैमिनिसूंत्रम— प्रथमद्वितीयमाध्यायौ

चमत्कारचिन्तामणिः (सम्पूर्णम)

प्रकाशकः— चौखम्भा सुरभारती, वाराणसी।

इकाई—1

संज्ञा प्रकरण, कारकांश फलादेश, पद फलादेश, उप पद फलादेश, सूर्य विचार व फल।

इकाई—2

आयुनिर्णय, मृत्यु निर्णय, विविध दशायें, दशा—अंर्तदशाये, चन्द्र विचार व फल।

इकाई—3

मंगलफल, बुध—विचार व फल।

इकाई—4

गुरू विचार व फल, शुक्र विचार व फल।

इकाई—5

शनि—राहु—केतु—विचार व फल।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA
DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)—द्वितीयवर्ष
षष्ठप्र'नपत्रम्
ताजिकनीलकण्ठी— द्वितीय

इकाई—1
1. गणेश वन्दना
2. ताजिक ग्रन्थ की रचना
3. वर्श, मास, दिन प्रवेश जानने की विधि
4. लग्नपति एवं वर्षेश्वर निर्णय, वर्षेश्वर फल
5. पूर्ण—मध्य—हीन—बली गुरु एवं शुक्र वर्षेश फल

इकाई—2
1. मुथहा फल
2. अरिष्टविचार
3. अरिष्टभंगाध्याय
4. भावफलाध्याय,
5. लग्नभावफल

इकाई—3
1. धन भावफल
2. सहज भावफल
3. सुख भावफल
4. रिपु भावफल
5. स्त्री भावफल

इकाई—4
1. मृत्यु भावफल
2. नवम् भावफल
3. दशम भावफल
4. एकादश भावफल
5. द्वादश भावफल

इकाई—5
1. मासदिनफलाध्याय
2. मासेश साधन, मासफल,
3. दिनेशफल एवं कर्त्तरी योग का फल कथन।
4. चन्द्र अवस्था फल एवं मृगया विचार
5. भोजन चिन्ता एवं स्वप्न चिन्ता

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

प्रथम प्रभनपत्रम्

महर्षि वेदविज्ञानम्–तृतीय

ईकाई–1

सुरक्षा का परम सिद्धान्त पर आधारित चेतना

इकाई–2

वैदिकवाङ्मय के 40 क्षेत्र, भारीर में स्थान एवं चेतना का गुण

इकाई–3

सुरक्षा का परम सिद्धान्त, संविधान, महर्शि योग

इकाई–4

महर्शि पूर्ण सुरक्षा नीति

इकाई–5

शाङ्र्गधर संहिता

पंचमोंऽध्यायः, षश्ठोध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

द्वितीय प्रश्नपत्रम्

वैदिकवाङ्मयः–तृतीय

ईकाई–1
चरणव्यूहः

इकाई–2
तैत्तिरीयप्रातिशाख्यम्

इकाई–3
ताण्ड्यब्राह्मणम् (अश्टमनवम् अध्ययौ)

इकाई–4
ताण्ड्यब्राह्मणम् (दशमोऽध्यायः)

इकाई–5
वैदिकगणितम्

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

तृतीय प्रश्नपत्रम्

सामान्यसंस्कृतम्–तृतीय

ईकाई–1

हलन्त एवं कृदन्त प्रकरणम

इकाई–2

वाल्मीकिरामायणस्य

इकाई–3

अमरकोशः

इकाई–4

अनुवादः

इकाई–5

प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

चतुर्थ प्रश्नपत्रम्

हिन्दी्–तृतीय

ईकाई–1

समकालीनकाव्य संकलन–कवि–अज्ञेय, मुक्तिबोध,

इकाई–2

कवि–नागार्जुन, भवानीप्रसादमिश्र।

इकाई–3

साहित्यिकप्रवृत्तियां–प्रगतिवादप्रयोगवाद एवंनयीकविता।

इकाई–4

हिन्दीसाहित्य काइतिहास–आदिकाल एवंभक्तिकाल

इकाई–5

रीतिकाल एवंआधुनिककाल

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

पन्चमपश्नपत्रम्

बृहत्पाराशरहोराशास्त्रम्–तृतीय

इकाई–1

ग्रहों व राशियों द्वाराव्यवसाय निर्धारण, ग्रहों की समस्त अवस्थाओं के फल, ग्रहभाव बल, इष्ट व उष्ट साधान।

इकाई–2

अष्टोत्तरी दशा, षोडसोत्तरी दशा, पंचोत्तरी दशा विंशोत्तरी दशा साधन, काल चक्र दशा साधन, विधी, नक्षत्र न्यास विधी, चर दशा, स्थिर दशा, केन्द्र दशा, पंचस्वरा दशा विचार।

इकाई–3

समस्त ग्रहों की दशाओं का फल, भावेश दशा फल, काल चक्र दशा फल, चर व स्थिर दशाओं का फल।

इकाई–4

दशा फल गुण, सूर्य की दशा से सभी ग्रहों की अंर्तदशा फल चन्द्रमा की दशा में अंर्तदशा फल, मंगल दशा से अंर्तदशा फल।

इकाई–5

राहु, गुरू, शनि व बुध की अंर्तदशा का फल।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

पष्ठप्रश्नपत्रम्

भावकुतूहलम्

पाठ्यग्रन्थाः

भावकुसतूहलम् (सम्पूर्णम्)

प्रकाशक : ठाकुर प्रसाद एण्ड सन्स, वाराणसी

जातकालकारः (सम्पूर्णम)

प्रकाशकः वौखम्भा सुरभारती, वारायणी।

इकाई–1

संज्ञाकथनम्, जातक चिन्हम्, बालारिष्टम, संज्ञाअध्यायः, भावाध्याय।

इकाई–2

पित्राद्यरिष्टम्, अरिष्टभंग, संतानभाव विचार, राजयोग अध्याय, योगाध्यायः।

इकाई–3

सामुदिक लक्षणम्, स्त्रीजातक, स्थानवशेनावस्थाफलम्, ग्रहों की शयनादि अवस्थाओं का फल, विषकन्यायोगाध्याय, आयुर्दायाध्याय।

इकाई–4

ग्रहस्थावस्याविचारः, नानायोनि निरूपणम्, व्यत्ययभाव फल अध्याय।

इकाई–5

भाव विचार, दशाफलम्, गर्वितादिदशा फलम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

सप्तप्रश्नपत्रम्

होरारत्नम्

पाठ्यग्रन्थाः

होरारत्नम्–1–5 अध्यायाः

सम्पादक :– मुरलीधर चतुर्वेदी, प्रकाशकः– मोतीलाल बनारसी प्रकाशन, नई दिल्ली।

इकाई–1

ग्रंथद्वार का परिचय, होराशास्त्र की उत्पत्ति, राशि भेद प्रकरण, ग्रहयोनि प्रकरण, आधान प्रकरण, जन्म प्रकरण।

इकाई–2

मूल जन्म फल, शांति, संपत्सरादि फल, षड्वर्ग फल।

इकाई–3

भाव स्पष्ट की उपयोगिता, बारह भावों में नौ ग्रहों का फल, ग्रहों की अवस्थाओं का फल, ग्रहों की दृष्टि के फल, 12 राशियों में नवांश में ग्रहों के फल।

इकाई–4

बारह राशियों में सभी ग्रहों का फल, ग्रहों की उच्च, मूल त्रिकोण, स्वराशिस्थ अवस्थायें।

इकाई–5

अनेक अरिष्ट और आयु योग, पंच महापुरूष योग लक्षण व फल, अरिष्ट भंग योग, विविध राजयोग, राजयोग भंग।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–प्रथम वर्ष
प्रथम प्रश्न पत्र,
महर्षि वेद विज्ञान–प्रथम

ईकाई–1
चेतना

इकाई–2
वैदिकवाङ्मय के 40 क्षेत्र, शरीर में स्थान एवं चेतना का गुण

इकाई–3
शिक्षा का परम सिद्धान्त पर आधारित चेतना के स्तर

इकाई–4
शार्ङ्गधर संहिता
प्रथमोऽध्यायः

इकाई–5
शार्ङ्गधर संहिता
द्वितीयोऽध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–प्रथम वर्ष
द्वितीय प्रश्न पत्र,
वैदिकवाङ्मयः–प्रथम

ईकाई–1
आव वलायनगृह्यसूत्रम् – नारायणवृत्तिसहितं प्रथमोऽध्यायः

इकाई–2
तैत्तिरीयप्रातिशाख्यम् 1–2 अध्यायाः

इकाई–3
तैत्तिरीयप्रातिशाख्यम् 3–4 अध्यायाः

इकाई–4
ताण्ड्यब्राह्मणम् प्रथमाध्यायस्य तृतीयचतुर्थखण्डौ

इकाई–5
वैदिकगणितम् 21–25 अध्यायाः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–प्रथम वर्ष
तृतीय प्रश्न पत्र,
सामान्यसंस्कृतम्–प्रथम

ईकाई–1
संज्ञा एवं संन्धि प्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–प्रथम वर्ष
चतुर्थ प्रश्न पत्र,
हिन्दी–प्रथम

ईकाई–1
मध्यकालीनकाव्य संकलन– (कवि –कबीर, सूरतथा तुलसी)

इकाई–2
गद्य–वैशाली की नगर वधु
लेखकः आचार्यचतुरसेन भाास्त्री

इकाई–3
रस– (सभी रसोंकासाधारण परिचय)

इकाई–4
अलंकार–विराधाभास, अन्योक्ति, अतिसंयोक्ति, अनुप्रास, यमक, भलेश, उपमा, उत्प्रेक्षा।

इकाई–5
अनुवाद– (संस्कृत सेहिन्दी, हिन्दीसे संस्कृत)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–प्रथम वर्ष
पंचम प्रश्न पत्र,
मनसारम्–प्रथम

ईकाई–1
शंकु की स्थापना द्वारा दिशा ज्ञान
पदविन्यास के लक्षण
बलिकर्मविधान (हवन करने की विधि)

इकाई–2
ग्रामलक्षण
नगर
भूमिलम्बविधान

इकाई–3
गर्भविन्यासविधान
उपपीठविधान (भवन का निचला भाग)
अधिष्ठानविधान (भवन का आधार)

इकाई–4
स्तम्भ लक्षण
प्रस्तरविधान

इकाई–5
सन्धिकर्मविधान
विमान लक्षण

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–प्रथम वर्ष

षष्ठ प्रश्न पत्र

समराग्ड.णसूत्रधारवास्तुशास्त्रम्–प्रथम

इकाई–1
महासमागमन
विश्वकर्मणः पुत्रसंवादः

इकाई–2
महदादिसर्गः

इकाई–3
भुवनकोशः
सहदेवाधिकारः

इकाई–4
वर्णाश्रमप्रविभाग
स्थपति लक्षण

इकाई–5
अष्टांग लक्षण
भूमिपरिक्षा

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–प्रथम वर्ष

सप्तम प्रश्न पत्र

वास्तुसौख्यम्

इकाई –1

वास्तुशास्त्र की परम्परा व उद्देश्य

घर की उपयोगिता

वास्तुपुरुष की उत्पत्ति

भूमि परीक्षण

दिक्–साधन

इकाई 2

वृक्ष विचार

भूमि शुद्वि करण

शल्य–ज्ञान

गृहारम्भविचार

खनन विचार

वृषवास्तुचक्रम

गृहपीठचक्रम्

शिलास्थापन

वास्तु पूर्व निर्मित गृह भूमि सीमा बढाकर निर्माण करने के लिए नियम

वृक्षविचार

इकाई –3

आय विचार

गृहमान विचार

इकाई –4

स्तम्भो के नाम

शाला विधान

इकाई–5

पदविन्यास

मर्म विचार

गृह विचार

द्वार

द्वारवेध

गृहारम्भ विचार

शंकु–स्थापन के लिए मुहूर्त

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–द्वितीय वर्ष
प्रथम प्रश्न पत्र,
महर्षि वेद विज्ञान–द्वितीय

ईकाई–1
महर्षि संदेश

इकाई–2
वैदिकवङ्मय के 40 क्षेत्र, भारीर में स्थान एवं चेतना का गुण

इकाई–3
महर्षि योग

इकाई–4
शाङ्र्गधर संहिता
तृतीयोऽध्यायः

इकाई–5
शाङ्र्गधर संहिता
चतुर्थोऽध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–द्वितीय वर्ष
द्वितीय प्रश्न पत्र,
वैदिकवाङ्मयः–द्वितीय

ईकाई–1
आव वलायनगृह्यसूत्रस्य नारायणवृत्तिसंहितं द्वितीयोऽध्यायः

इकाई–2
तैत्तिरीयप्रातिशाख्यम्– पंचमोऽध्यायः

इकाई–3
तैत्तिरीयप्रातिशाख्यम्– षश्ठोऽध्यायः

इकाई–4
ताण्ड्यब्राह्मणस्य प्रथमाध्यायस्य पंचमशश्ठसप्तमाध्यायः

इकाई–5
वैदिकगणितम्– 26–30 अध्यायाः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–द्वितीय वर्ष
तृतीय प्रश्न पत्र,
सामान्यसंस्कृतम्–द्वितीय

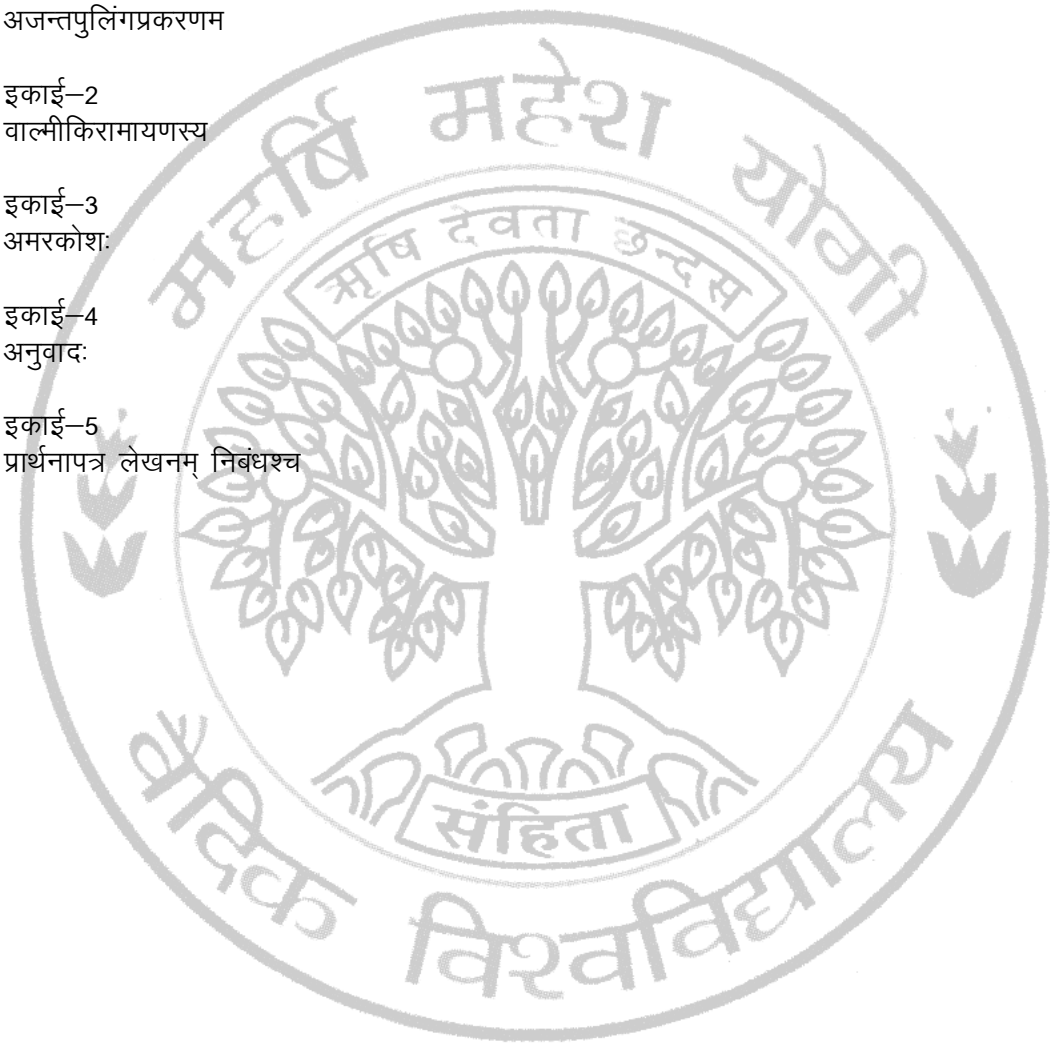
ईकाई–1
अजन्तपुलिंगप्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च



MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–द्वितीय वर्ष
चतुर्थ प्रश्न पत्र,
हिन्दी–द्वितीय

ईकाई–1
आधुनिककाव्य संकलन, कवि–मैथिलीशरणगुप्त, जयशंकरप्रसाद,

इकाई–2
कवि–सुमित्रानन्दनपंत, सूर्यकान्त त्रिपाठी 'निराला', माखनलालचतुर्वेदी

इकाई–3
काव्य शिल्प–बिम्ब, प्रतीकऔरमुक्त छंद

इकाई–4
ध्रुवस्वामिनी (नाटक) लेखक–जय ंकरप्रसाद

इकाई–5
ध्रुवस्वामिनी (नाटक) लेखक– जयशंकरप्रसाद, समीक्षा एवंव्याख्या

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–द्वितीय वर्ष

पंचम प्रश्न पत्र

मनसारम्–द्वितीय

इकाई–१

एक मंजिला भवन

दो मंजिला भवन

इकाई–२

तीन मंजिला भवन

चार मंजिला भवन

इकाई–३

पाँच मंजिला भवन

छह मंजिला भवन

सात मंजिला भवन

इकाई–४

आठ मंजिला भवन

नौ मंजिला भवन

दस मंजिला भवन

इकाई–5

ग्यारह मंजिला भवन

बारह मंजिला भवन

प्राकार (परकोटे का) विधान

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–द्वितीय वर्ष
षष्ठ प्रश्न पत्र
समराग्ड.णसूत्रधारवास्तुशास्त्रम्–द्वितीय

इकाई –1
हस्त लक्षण
आयादि निर्णय

इकाई–2
इंद्र ध्वज निरूपण
वास्तु त्रय विभाग

इकाई–3
नाड़ी आदि, सिरा आदि विकल्प
मर्म वेध

इकाई–4
पुरुष अंग देवता
निघंटु
बिलदान विधि

इकाई–5
वास्तु संस्थान मातृका
शिलान्यास विधि

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–द्वितीय वर्ष

सप्तम प्रश्न पत्र

अर्वाचीनं वास्तुशास्त्रम्

इकाई–1

भूमि चयन

भूमि परीक्षण

इकाई–2

मुहूर्त

आयादि

इकाई–3

कक्षों का नियोजन

वास्तु पदविन्यास

इकाई–4

आन्तरिक सज्जा

गृह–प्रवेश

इकाई–5

वास्तुदोषनिरुपण

वास्तु सुधार

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–तृतीय वर्ष
प्रथम प्रश्न पत्र,
महर्षि वेद विज्ञान–तृतीय

ईकाई–1
सुरक्षा का परम सिद्धान्त पर आधारित चेतना

इकाई–2
वैदिकवा्मय के 40 क्षेत्र, भारीर में स्थान एवं चेतना का गुण

इकाई–3
सुरक्षा का परम सिद्धान्त, संविधान, महर्शि योग

इकाई–4
महर्षि पूर्ण सुरक्षा नीति

इकाई–5
शाङ्र्गधर संहिता
पंचमोऽध्यायः, षश्ठोध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–तृतीय वर्ष
द्वितीय प्रश्न पत्र,
वैदिकवाङ्मयः–तृतीय

ईकाई–1
चरणव्यूहः

इकाई–2
तैत्तिरीयप्रातिशाख्यम्

इकाई–3
ताण्ड्यब्राह्मणम् (अश्टमनवम् अध्ययौ)

इकाई–4
ताण्ड्यब्राह्मणम् (दशमोऽध्यायः)

इकाई–5
वैदिकगणितम्

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–तृतीय वर्ष
तृतीय प्रश्न पत्र,
सामान्यसंस्कृतम्–तृतीय

ईकाई–1
हलन्त एवं कृदन्त प्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–तृतीय वर्ष
चतुर्थ प्रश्न पत्र,
हिन्दी–तृतीय

ईकाई–1
समकालीनकाव्य संकलन–कवि–अज्ञेय, मुक्तिबोध,

इकाई–2
कवि–नागार्जुन, भवानीप्रसादमिश्र।

इकाई–3
साहित्यिकप्रवृत्तियां–प्रगतिवादप्रयोगवाद एवंनयीकविता।

इकाई–4
हिन्दीसाहित्य का इतिहास–आदिकाल एवंभक्तिकाल

इकाई–5
रीतिकाल एवं आधुनिककाल

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–तृतीय वर्ष

पंचम प्रश्न पत्र

मनसारम्–तृतीय

इकाई–1

परिवार (देवताओं के परिवार) विधान

गोपुर विधान

मण्डप विधान

इकाई–2

शाला विधान

गृहमानस्थान विधान

गृह प्रवेश विधान

इकाई–3

द्वारस्थानविधान

द्वार मानविधान

इकाई–4

राजमहलविधान

राजाङ्गलक्षण

इकाई–5

राजलक्षण

रथ लक्षण

शयन विधान

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–तृतीय वर्ष

षष्ठ प्रश्न पत्र

समराग्ड.णसूत्रधारवास्तुशास्त्रम्–तृतीय

इकाई–1

कीलक सूत्रपात

नगर आदि संज्ञा

इकाई–2

चतुः शाल भवन

निम्न उच्च आदि फल

इकाई–3

त्रिशाल भवन

द्विशाल भवन

इकाई–4

एक शाला भवन

द्वार पीठ तथा भित्ति मान

इकाई–5

समस्त गृह संख्या

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (स्थापत्यवेदः)–तृतीय वर्ष

सप्तम प्रश्न पत्र

मानसारस्य

इकाई–1

सिंहासन लक्षण

तोरण विधान

मध्यरंगविधान

इकाई–2

कल्पवृक्षविधान

मौली लक्षण

भूषणलक्षण

इकाई–3

त्रिमूर्ति लक्षण

लिंगविधान

इकाई–4

पीठ

शक्तिलक्षण

इकाई–5

जैन प्रतिमा लक्षण

बौद्ध प्रतिमा लक्षण

मुनिलक्षण

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

स्थापत्यवेद आचार्य–प्रथम वर्ष
प्रथम प्रश्न पत्र
मानसारम्

इकाई–1
यक्षविघाधरलक्षण
भक्तलक्षण

इकाई–2
हंसलक्षण
गरुडलक्षण

इकाई–3
वृषभलक्षण
सिंहलक्षण
प्रतिमालक्षण

इकाई–4
उत्तमदशतालविधान
मध्यमदशतालविधान
प्रलम्बलक्षण

इकाई–5
मधूष्ठिष्टविधान
अंगदषणू विधान
नयनोन्मीलनलक्षण

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

स्थापत्यवेद आचार्य–प्रथम वर्ष
द्वितीय प्रश्न पत्र
समरांगणसूत्रधारवास्तुशास्त्रम्

इकाई–1
वनप्रवेश
ग्रहद्रव्यप्रमाणनि

इकाई–2
चयविधि
अप्रयोज्यप्रयोज्य

इकाई–3
द्वारगुणदोष
द्वारभङ्गफल

इकाई–4
तोरणभङ्गादिशान्तिक
गृहदोषनिरूपण

इकाई–5
शान्तिकर्मविधि

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

स्थापत्यवेद आचार्य–प्रथम वर्ष
तृतीय प्रश्न पत्र
पौराणिकवास्तुशास्त्रीयाध्ययनम्

इकाई–1
वास्तु मंडल
वास्तुमंडलदेवतास्थापना
पूजार्ध्यदानवलिदानदिविधानकथनम्
चतुर्विशतिमूर्तिस्तोत्रकथनम्
चण्ड्यादिदेवताप्रतिमालक्षणानि

इकाई–2
लिङ्.गादिलक्षणम्
लिङ्.ग के मानादि का लक्षण–वर्णन
लिङ्.गमानव्यक्ताव्यक्तलक्षणादिकथनम्

इकाई–3
अभिषेकादि विधि का वर्णन
अभिषेकादिविधिकथनम्
शिलाविनयासविधिः

इकाई–4
वास्तु की उत्पत्ति की कथा
वास्तु–चक्र वर्णन
गृहमाननिर्णय
वेध विवरण
गृह निर्णय

इकाई–5
वास्तुकार्य में ग्राह्या काष्ठ
वास्तु–शान्ति की विधि
प्रसादों के भेद और उनके निर्माण की विधि
प्रासाद–संलग्न मण्डपों के नाम, स्वरूप, भेद और उनके निर्माण की विधि।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

स्थापत्यवेद आचार्य–द्वितीय वर्ष

प्रथम प्रश्न पत्र

मयमतम्–I

इकाई–1

संग्रहाध्याय (ग्रन्थ की विषय वस्तु)

वास्तु के प्रकार

भूमि की परिक्षा

भूपरिग्रह (भूमि का अधिग्रहण)

मानोपकरण (नापने की ईकाई तथा स्थपति लक्षण)

इकाई–2

दिक्परिच्छेद (दिशा ज्ञात करने की विधि)

पद विन्यास (नगर, प्लाट आदि पर देवता का स्थान)

वास्तु–देवता के लिए हवन

ग्राम रचना

नगर नियोजन

इकाई–3

भवन की लम्बाई, चौड़ाई व ऊँचाई

गर्भ विन्यास (नींव की स्थापना)

उपपीठ (भवन का सबसे निचला भाग)

अधिष्ठान (भवन के आधार का वर्णन)

खम्बा (स्तम्भ के आधार का पदार्थ)

इकाई–4

प्रस्तर (स्तम्भ के उपर का भाग)

लकड़ी को जोड़ने की विधि

शिखर आदि निर्माण, कार्य की पूर्णता

एक मंजिल भवन

दो भूमि विधान

इकाई–5

तीन मंजिला भवन

चार आदि बहु मंजिला भवन

(परकोटा व देवताओं का परिवार)

गोपुरविधानम् (नगर व परकोटे के दरवाजे)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

स्थापत्यवेद आचार्य–द्वितीय वर्ष
द्वितीय प्रश्न पत्र
मयमतम्–II

इकाई–1
गोपुरविधानम् (नगर व परकोटे के दरवाजे)
मण्डप, सभा विधान
शाला विधान (एक से चार शाला वाले घर)

इकाई–2
चतुर्गृहविधानम् (वर्ण के अनुसार घर)
गृह प्रवेश
राजमहल विधान

इकाई–3
द्वार विधान
वाहन

इकाई–4
शयया एवं आसन
लिंगलक्षण

इकाई–5
पीठ लक्षण
अनुकर्मविधान (जीर्णोद्वार विधि)
प्रतिमालक्षण

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

स्थापत्यवेद आचार्य–द्वितीय वर्ष
तृतीय प्रश्न पत्र
वास्तुशास्त्रीयनिबन्ध इतिहासश्च

इकाई–1
वास्तु विधा
दकार्गल

इकाई–2
वृक्षायुर्वेद
प्रासादलक्षण

इकाई–3
वज्रलेप
प्रतिमालक्षण

इकाई–4
वनप्रवेश

इकाई–5
प्रतिमा प्रतिष्ठा

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

आचार्य (योग) प्रथमवर्षम्
प्रथम प्रश्नपत्रम्
योगसूत्रम् (व्यासभाष्यसहितम्)

इकाई 1
भाष्यभूमिका, पाठानुसन्धान– भौली, पाण्डुग्रंथविवरण एवं प्रकाशितसंस्करणम् समीक्षात्मकविवरणम्।

इकाई 2
पातन्जलयोगसूत्रस्य समाधिपादस्य प्रारम्भतः – 51 सूत्रपर्यन्तम् व्यासभाष्यसहितम्।

इकाई 3
पातन्जलयोगसूत्रस्य साधनपादस्य प्रारम्भतः – 55 सूत्रपर्यन्तम् व्यासभाष्य सहितम्।

इकाई 4
पातन्जलयोगसूत्रस्य विभूतिपादस्य प्रारम्भतः – 55 सूत्रपर्यन्तम् व्यासभाष्य सहितम्।

इकाई 5
पातन्जलयोगसूत्रस्य कैवल्यपादस्य प्रारम्भतः – 34 सूत्रपर्यन्तम् व्यासभाष्य सहितम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

आचार्य (योग) प्रथमवर्षम्
द्वितीय प्रश्न पत्रम्
तत्ववैशारदीसहितयोगसूत्रम् व्यासभाष्यं (आलोचनात्मकं)

इकाई 1
भाष्य ग्रंन्थानां का पौर्वापर्य, भाष्य भूमिका पाठानुसन्धान – शैली, पाण्डुग्रंथ विवरण एवं प्रकाशित संस्करणम् समीक्षात्मकं विवरणम्।

इकाई 2
पातन्जलयोगसूत्रस्य समाधिपादस्य प्रारम्भतः – 51 सूत्रपर्यन्तम् तत्ववैशारदीभाष्यं सहितं याष्यभाष्यम् (आलोचनात्मकं) ।

इकाई 3
पातन्जलयोगसूत्रस्य साधनपादस्य प्रारम्भतः – 55 सूत्रपर्यन्तम् तत्ववैशारदीभाष्यं सहितं व्याष्यभाष्यम् (आलोचनात्मकं)।

इकाई 4
पातन्जलयोगसूत्रस्य विभूतिपादस्य प्रारम्भतः – 55 सूत्रपर्यन्तम् तत्ववैशारदीभाष्यं सहितं याष्यभाष्यम् (आलोचनात्मकं) ।

इकाई 5
पातन्जलयोगसूत्रस्य कैवल्यपादस्य प्रारम्भतः – 34 सूत्रपर्यन्तम् तत्ववैशारदीभाष्यं सहितं याष्यभाष्यम् (आलोचनात्मकम्) ।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

आचार्य (योग) प्रथमवर्षम्
तृतीय प्रश्नपत्रम्
योगवाशिष्ठस्य

इकाई 1
योगवाशिष्ठनिर्वाणप्रकरणस्य पौर्वापर्य, एवं विषयविवरणम्।
इच्छादिविचिकित्सोपदेशपर्णनम्, कर्मबीजदाहयोगोपदेशपर्णनम्।
दृश्योपशमयोगोपदेशवर्णनम् अहन्तानिरासवर्णनम् ।

इकाई 2
विद्याधरप्रश्नवर्णनम् , वैराग्यवर्णनम्, जगद्बीवपर्णनम् एवं मायामण्डलवर्णनम् ।

इकाई 3
चिल्कथनयोगोपदेशवर्णनम् सर्गापवर्गप्रतियोगोपदेशवर्णनम् यथाभूतार्थपदेनवर्णनम् संकल्पसर्गयोरै?

इकाई 4
त्रसरेण्वन्तरसर्गसcवर्णनम! सर्गोसbल्पयोरैकक्य वर्णनम् विद्याधरनिर्वाणवर्णनम्।

इकाई 5
अहन्त्वासत्तायोगोपदेशवर्णनम्, जगज्जाल्कोशसाधर्म्ययोगोपदेशवर्णनम्, विरागात्मवर्णनम्
जीवनिर्वाणयोग।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

आचार्य (योग) प्रथमवर्षम्
चतुर्थ प्रश्न पत्रम्ः
सांख्यसूत्रमनिद्धकृतभाष्यसहितम्

इकाई 1
भाष्यभूमिका पाठानुसन्धानशैली, प्रकाशितसंस्करणम्, समीक्षात्मकं विवरणम्।

इकाई 2
कपिलः सांख्यसूत्रम् प्रारम्भतः कारिका 18 पर्यन्तम् अनिरूद्धकृतभाष्यम्।

इकाई 3
कपिलः सांख्यसूत्रम् कारिका 19 – 37 पर्यन्तम् अनिरूद्धकृतभाष्यम्।

इकाई 4
कपिलः सांख्यसूत्रम् प्रारम्भतः कारिका 38 – 55 पर्यन्तम् अनिरूद्धकत भाष्यम्।

इकाई 5
कपिलः सांख्यसूत्रम् प्रारम्भतः कारिका 56 – 72 पर्यन्तम् अनिरूद्धकृत भाष्यम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

आचार्य (योग) द्वितीयवर्षम्
प्रथम प्रश्नपत्रम्
योगवार्त्तिकस्य द्वितीयपादः

इकाई 1
पातGजलयोगसूत्रस्य साधनपादस्य भयोगवार्त्तिकस्य भाष्यभूमिका, पाठानुसन्धान– शैली, पाण्डुग्रंथविवरण एवं प्रकाशितसंस्करणम्, समीक्षात्मकं विवरणम्।

इकाई 2
पातGजलयोगसूत्रस्य समाधिपादस्य प्रारम्भतः – 15 तः सूत्र पर्यन्तम् योगवार्त्तिकस्य भाष्य सहितम्।

इकाई 3
पातGजलयोगसूत्रस्य साधनपादस्य सूत्र 16 सूत्र 32 तः पर्यन्तम् योगवार्त्तिकस्य भाष्य सहितम्।

इकाई 4
पातGजलयोगसूत्रस्य साधनपादस्य सूत्र 33 सूत्र 45 तः पर्यन्तम् योगवार्त्तिकस्य भाष्य सहितम्।

इकाई 5
पातGजलयोगसूत्रस्य साधनपादस्य सूत्र 46 तः सूत्र 55 पर्यन्तम् योगवार्त्तिकस्यभाष्य सहितम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

आचार्य (योग) द्वितीयवर्षम्
द्वितीयप्रश्नपत्रम्
योगवार्त्तिकस्य तृतीयपादः

इकाई 1
योगसूत्रविभूतिपादस्य पातGजलयोगसूत्रस्य साधनपादस्य भयोगवार्त्तिकस्य भाष्य भूमिका, पाठानुसन्धान–शैली, पाण्डुग्रंथविवरण एवं प्रकाशितसंस्करणम् समीक्षात्मकं विवरणम्।

इकाई 2
पातGजलयोगसूत्रस्य विभूतिपादस्य प्रारम्भतः 14 सूत्र पर्यन्तम् योगवार्त्तिकस्य भाष्य सहितम्।

इकाई 3
पातGजलयोगसूत्रस्य विभूतिपादस्य सूत्र 15 सूत्र 28 पर्यन्तम् योगवार्त्तिकस्य भाष्य सहितम्।

इकाई 4
पातGजलयोगसूत्रस्य विभूतिपादस्य सूत्र 29 सूत्र 41 पर्यन्तम् योगवार्त्तिकस्य भाष्य सहितम्।

इकाई 5
पातGजलयोगसूत्रस्य विभूतिपादस्य सूत्र 42 सूत्र 55 पर्यन्तम् योगवार्त्तिकस्यभाष्य सहितम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

आचार्य (योग) द्वितीयवर्षम्
तृतीयप्रश्नपत्रम्
योगवार्त्तिकस्य चतुर्थपादान्तम्

इकाई 1
पातGजलयोगसूत्र योगवार्त्तिकस्य कैवल्यपास्दय भाष्य भूमिका, पाठानुसन्धान–शैली, पाण्डुग्रंथ विवरण एवं प्रकाशितसंस्करणम् समीक्षात्मकं विवरणम्।

इकाई 2
पातGजलयोगसूत्रस्य कैवल्यपास्दय प्रारम्भतः 8 सूत्र पर्यन्तम् तत्ववैशारदीभाष्य सहितम्।

इकाई 3
पातGजलयोगसूत्रस्य कैवल्यपास्दय सूत्र 9 सूत्र 18 पर्यन्तम् तत्ववैशारदीभाष्य सहितम्।

इकाई 4
पातGजलयोगसूत्रस्य कैवल्यपास्दय सूत्र 19 सूत्र 26 पर्यन्तम् तत्ववैशारदीभाष्य सहितम्।

इकाई 5
पातGजलयोगसूत्रस्य कैवल्यपास्दय सूत्र 27 सूत्र 34 पर्यन्तम् तत्ववैशारदीसहितम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

आचार्य (योग) द्वितीयवर्षम्
चतुर्थ प्रश्न पत्रम्
निबंध और इतिहास

नोट :– इस प्रश्नपत्र में छात्र योग विषयक अपने भाास्त्रीय ज्ञान के परिप्रेक्ष्य में स्वतंत्र अध्ययन एवं स्वतंत्रदृष्टिकोण को विकसित कर सकें, इस उद्देश्य से योग विषयक सबंधित साहित्य को समावेशित किया गया है। तथा प्रश्नपत्र के इस स्वरूप के कारण इसका नाम निबंध और सहित्य रखा गया है।

इकाई 1
योग के उद्भव एवं विकास का ऐतिहासिक विवरण (वेदकाल से वर्तमान तक)।

इकाई 2
महर्षि महेश योगी का वैदिक एवं भारतीय संस्कृति के ज्ञानार्जन क्षेत्र में योगदान भावतीत ध्यान पद्धति के विशेष संदर्भ में।

इकाई 3
षड्दर्शनों – न्याय, वैशेषिक, सांख्य–योग, मीमांसा एवं वेदांत आदि का उद्भव–विकास एवं सैद्धांतिक आधार भूमि।

इकाई 4
मंत्रयोग, लययोग, हठयोग एवं राजयोग के संदर्भ में समसामायिक अध्ययन।

इकाई 5
विभिन्न उपनिषदों में योग के तत्व एवं उनकी प्रासंगिकता।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष
प्रथम प्रश्न पत्र,
महर्षि वेद विज्ञान–प्रथम

ईकाई–1
चेतना

इकाई–2
वैदिकवा्मय के 40 क्षेत्र, भारीर में स्थान एवं चेतना का गुण

इकाई–3
शिक्षा का परम सिद्धान्त पर आधारित चेतना के स्तर

इकाई–4
शाङ्र्गधर संहिता
प्रथमोऽध्यायः

इकाई–5
शाङ्र्गधर संहिता
द्वितीयोऽध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष
द्वितीय प्रश्न पत्र,
वैदिकवाङ्मयः–प्रथम

ईकाई–1
आव वलायनगृह्यसूत्रम् – नारायणवृत्तिसहितं प्रथमोऽध्यायः

इकाई–2
तैत्तिरीयप्रातिशाख्यम् 1–2 अध्यायाः

इकाई–3
तैत्तिरीयप्रातिशाख्यम् 3–4 अध्यायाः

इकाई–4
ताण्ड्यब्राह्मणम् प्रथमाध्यायस्य तृतीयचतुर्थखण्डौ

इकाई–5
वैदिकगणितम् 21–25 अध्यायाः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष
तृतीय प्रश्न पत्र,
सामान्यसंस्कृतम्–प्रथम

ईकाई–1
संज्ञा एवं संन्धि प्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष
चतुर्थ प्रश्न पत्र,
हिन्दी–प्रथम

ईकाई–1
मध्यकालीनकाव्य संकलन– (कवि –कबीर, सूरतथा तुलसी)

इकाई–2
गद्य–वैशाली की नगर वधु
लेखकः आचार्यचतुरसेन शास्त्री

इकाई–3
रस– (सभी रसोंकासाधारण परिचय)

इकाई–4
अलंकार–विराधाभास, अन्योक्ति, अतिसंयोक्ति, अनुप्रास, यमक, भलेश, उपमा, उत्प्रेक्षा।

इकाई–5
अनुवाद– (संस्कृत सेहिन्दी, हिन्दीसे संस्कृत)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष

पंचम प्रश्न पत्र,

मनसारम्–प्रथम

ईकाई–1

शंकु की स्थापना द्वारा दिशा ज्ञान

पदविन्यास के लक्षण

बलिकर्मविधान (हवन करने की विधि)

इकाई–2

ग्रामलक्षण

नगर

भूमिलम्बविधान

इकाई–3

गर्भविन्यासविधान

उपपीठविधान (भवन का निचला भाग)

अधिष्ठानविधान (भवन का आधार)

इकाई–4

स्तम्भ लक्षण

प्रस्तरविधान

इकाई–5

सन्धिकर्मविधान

विमान लक्षण

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष

षष्ठ प्रश्न पत्र

समराग्ड.णसूत्रधारवास्तुशास्त्रम्–प्रथम

इकाई–1
महासमागमन
विश्वकर्मणः पुत्रसंवादः

इकाई–2
महदादिसर्गः

इकाई–3
भुवनकोशः
सहदेवाधिकारः

इकाई–4
वर्णाश्रमप्रविभाग
स्थपति लक्षण

इकाई–5
अष्टांग लक्षण
भूमिपरिक्षा

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–प्रथम वर्ष

सप्तम प्रश्न पत्र

वास्तुसौख्यम्

इकाई –1

वास्तुशास्त्र की परम्परा व उद्देश्य

घर की उपयोगिता

वास्तुपुरुष की उत्पत्ति

भूमि परीक्षण

दिक्–साधन

इकाई 2

वृक्ष विचार

भूमि शुद्वि करण

शल्य–ज्ञान

गृहारम्भविचार

खनन विचार

वृषवास्तुचक्रम

गृहपीठचक्रम्

शिलास्थापन

वास्तु पूर्व निर्मित गृह भूमि सीमा बढाकर निर्माण करने के लिए नियम

वृक्षविचार

इकाई –3

आय विचार

गृहमान विचार

इकाई –4

स्तम्भो के नाम

शाला विधान

इकाई–5

पदविन्यास

मर्म विचार

गृह विचार

द्वार

द्वारवेध

गृहारम्भ विचार

शंकु–स्थापन के लिए मुहूर्त

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–द्वितीय वर्ष
प्रथम प्रश्न पत्र,
महर्षि वेद विज्ञान–द्वितीय

ईकाई–1
महर्षि संदेश

इकाई–2
वैदिकवङ्मय के 40 क्षेत्र, भारीर में स्थान एवं चेतना का गुण

इकाई–3
महर्षि योग

इकाई–4
शाङ्र्गधर संहिता
तृतीयोऽध्यायः

इकाई–5
शाङ्र्गधर संहिता
चतुर्थोऽध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–द्वितीय वर्ष
द्वितीय प्रश्न पत्र,
वैदिकवाङ्मयः–द्वितीय

ईकाई–1
आव वलायनगृह्यसूत्रस्य नारायणवृत्तिसंहितं द्वितीयोऽध्यायः

इकाई–2
तैत्तिरीयप्रातिशाख्यम्– पंचमोऽध्यायः

इकाई–3
तैत्तिरीयप्रातिशाख्यम्– षश्ठोऽध्यायः

इकाई–4
ताण्ड्यब्राह्मणस्य प्रथमाध्यायस्य पंचमशश्ठसप्तमाध्यायः

इकाई–5
वैदिकगणितम्– 26–30 अध्यायाः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–द्वितीय वर्ष
तृतीय प्रश्न पत्र,
सामान्यसंस्कृतम्–द्वितीय

ईकाई–1
अजन्तपुलिंगप्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–द्वितीय वर्ष
चतुर्थ प्रश्न पत्र,
हिन्दी–द्वितीय

ईकाई–1
आधुनिककाव्य संकलन, कवि–मैथिलीशरणगुप्त, जयशंकरप्रसाद,

इकाई–2
कवि–सुमित्रानन्दनपंत, सूर्यकान्त त्रिपाठी 'निराला', माखनलालचतुर्वेदी

इकाई–3
काव्य शिल्प–बिम्ब, प्रतीकऔरमुक्त छंद

इकाई–4
ध्रुवस्वामिनी (नाटक) लेखक–जयशंकरप्रसाद

इकाई–5
ध्रुवस्वामिनी (नाटक) लेखक– जयशंकरप्रसाद, समीक्षा एवंव्याख्या

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–द्वितीय वर्ष

पंचम प्रश्न पत्र

मनसारम्–द्वितीय

इकाई–1

एक मंजिला भवन

दो मंजिला भवन

इकाई–2

तीन मंजिला भवन

चार मंजिला भवन

इकाई–3

पाँच मंजिला भवन

छह मंजिला भवन

सात मंजिला भवन

इकाई–4

आठ मंजिला भवन

नौ मंजिला भवन

दस मंजिला भवन

इकाई–5

ग्यारह मंजिला भवन

बारह मंजिला भवन

प्राकार (परकोटे का) विधान

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–द्वितीय वर्ष

षष्ठ प्रश्न पत्र

समराग्ड.णसूत्रधारवास्तुशास्त्रम्–द्वितीय

इकाई –1
हस्त लक्षण
आयादि निर्णय

इकाई–2
इंद्र ध्वज निरूपण
वास्तु त्रय विभाग

इकाई–3
नाड़ी आदि, सिरा आदि विकल्प
मर्म वेध

इकाई–4
पुरुष अंग देवता
निघंटु
बिलदान विधि

इकाई–5
वास्तु संस्थान मातृका
शिलान्यास विधि

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–द्वितीय वर्ष

सप्तम प्रश्न पत्र

अर्वाचीनं वास्तुशास्त्रम्

इकाई–1
भूमि चयन
भूमि परीक्षण

इकाई–2
मुहूर्त
आयादि

इकाई–3
कक्षों का नियोजन
वास्तु पदविन्यास

इकाई–4
आन्तरिक सज्जा
गृह–प्रवेश

इकाई–5
वास्तुदोषनिरुपण
वास्तु सुधार

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष
प्रथम प्रश्न पत्र,
महर्षि वेद विज्ञान–तृतीय

ईकाई–1
सुरक्षा का परम सिद्धान्त पर आधारित चेतना

इकाई–2
वैदिकवा्मय के 40 क्षेत्र, शरीर में स्थान एवं चेतना का गुण

इकाई–3
सुरक्षा का परम सिद्धान्त, संविधान, महर्शि योग

इकाई–4
महर्शि पूर्ण सुरक्षा नीति

इकाई–5
शाङ्र्गधर संहिता
पंचमोंऽध्यायः,शश्ठोध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष
द्वितीय प्रश्न पत्र,
वैदिकवाङ्मयः–तृतीय

ईकाई–1
चरणव्यूहः

इकाई–2
तैत्तिरीयप्रातिशाख्यम्

इकाई–3
ताण्ड्यब्राह्मणम् (अश्टमनवम् अध्ययौ)

इकाई–4
ताण्ड्यब्राह्मणम् (दशमोऽध्यायः)

इकाई–5
वैदिकगणितम्

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष
तृतीय प्रश्न पत्र,
सामान्यसंस्कृतम्–तृतीय

ईकाई–1
हलन्त एवं कृदन्त प्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष
चतुर्थ प्रश्न पत्र,
हिन्दी–तृतीय

ईकाई–1
समकालीनकाव्य संकलन–कवि–अज्ञेय, मुक्तिबोध,

इकाई–2
कवि–नागार्जुन, भवानीप्रसादमिश्र।

इकाई–3
साहित्यिकप्रवृत्तियां–प्रगतिवादप्रयोगवाद एवंनयीकविता।

इकाई–4
हिन्दीसाहित्य काइतिहास–आदिकाल एवंभक्तिकाल

इकाई–5
रीतिकाल एवंआधुनिककाल

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

पंचम प्रश्न पत्र

मनसारम्–तृतीय

इकाई–1

परिवार (देवताओं के परिवार) विधान

गोपुर विधान

मण्डप विधान

इकाई–2

शाला विधान

गृहमानस्थान विधान

गृह प्रवेश विधान

इकाई–3

द्वारस्थानविधान

द्वार मानविधान

इकाई–4

राजमहलविधान

राजाङ्गलक्षण

इकाई–5

राजलक्षण

रथ लक्षण

शयन विधान

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

षष्ठ प्रश्न पत्र

समराग्ड.णसूत्रधारवास्तुशास्त्रम्–तृतीय

इकाई–1

कीलक सूत्रपात

नगर आदि संज्ञा

इकाई–2

चतुः शाल भवन

निम्न उच्च आदि फल

इकाई–3

त्रिशाल भवन

द्विशाल भवन

इकाई–4

एक शाला भवन

द्वार पीठ तथा भित्ति मान

इकाई–5

समस्त गृह संख्या

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (Jyotish-होरा)–तृतीय वर्ष

सप्तम प्रश्न पत्र

मानसारस्य

इकाई–1

सिंहासन लक्षण

तोरण विधान

मध्यरंगविधान

इकाई–2

कल्पवृक्षविधान

मौली लक्षण

भूषणलक्षण

इकाई–3

त्रिमूर्ति लक्षण

लिंगविधान

इकाई–4

पीठ

शक्तिलक्षण

इकाई–5

जैन प्रतिमा लक्षण

बौद्ध प्रतिमा लक्षण

मुनिलक्षण

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग) प्रथमवर्ष
प्रथम प्रश्नपत्रम्
महर्षिवेदविज्ञानम् – प्रथम

ईकाई–1
चेतना

इकाई–2
वैदिकवाङ्मय के 40 क्षेत्र, भारीर में स्थान एवं चेतना का गुण

इकाई–3
शिक्षा का परम सिद्धान्त पर आधारित चेतना के स्तर

इकाई–4
शाङ्र्गधर संहिता
प्रथमोऽध्यायः

इकाई–5
शाङ्र्गधर संहिता
द्वितीयोऽध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)–प्रथमवर्ष
द्वितीय प्रश्नपत्रम्
वैदिकवाङ्मयः–प्रथम

ईकाई–1
आव वलायनगृह्यसूत्रम् – नारायणवृत्तिसहितं प्रथमोऽध्यायः

इकाई–2
तैत्तिरीयप्रातिशाख्यम् 1–2 अध्यायाः

इकाई–3
तैत्तिरीयप्रातिशाख्यम् 3–4 अध्यायाः

इकाई–4
ताण्ड्यब्राह्मणम् प्रथमाध्यायस्य तृतीयचतुर्थखण्डौ

इकाई–5
वैदिकगणितम् 21–25 अध्यायाः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)– प्रथमवर्ष
तृतीय प्रश्नपत्रम्
सामान्यसंस्कृतम्– प्रथम

ईकाई–1
संज्ञा एवं संन्धि प्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)– प्रथमवर्ष
चतुर्थ प्रश्नपत्रम्
हिन्दी प्रथम

ईकाई–1
मध्यकालीनकाव्य संकलन– (कवि –कबीर, सूरतथा तुलसी)

इकाई–2
गद्य–वैशाली की नगर वधु
लेखकः आचार्यचतुरसेन शास्त्री

इकाई–3
रस– (सभी रसोंकासाधारण परिचय)

इकाई–4
अलंकार–विराधाभास, अन्योक्ति, अतिसंयोक्ति, अनुप्रास, यमक, भलेश, उपमा, उत्प्रेक्षा।

इकाई–5
अनुवाद– (संस्कृत सेहिन्दी, हिन्दी से संस्कृत)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग) प्रथमवर्ष

पंचमप्रश्नपत्रम्ः

तत्त्वसमाससूत्रवृत्तिः –षट्चक्रनिरूपणम

इकाई 1

ईश्वरकृष्णकृत तत्त्वसमाससूत्रवृत्तिः ग्रंथस्य का परिचयात्मकावध्ययन एवं प्रथम सूत्रतः एकदशःसूत्रम्।

इकाई 2

तत्त्वसमाससूत्रवृर्त्ति की वृत्ति अनुसार समीक्षात्मकाध्ययन द्वादशतः द्विविंशत् सूत्र व पर्यन्तम्।

इकाई 3

षट्चक्रनिरूपणम् प्रथम द्वितीय एवं तृतीय प्रकरणम्।

इकाई 4

षट्चक्रनिरूपणम् चतुर्थ, पंचम एवं षष्ठम् प्रकरणम्।

इकाई 5

षट्चक्रनिरूपणम् सप्तम् एवं अष्ठम् प्रकरणम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग) प्रथमवर्ष
षष्ठप्रश्नपत्रम्
उपदेशसाहस्त्री

इकाई 1
पद्यभागः
(1) उपोद्द्यातप्रकरणम् (2) प्रतिषेधप्रकारणम् (3) ईश्वरात्मप्रकरणम्
(4) तत्त्वज्ञानस्वभावप्रकरणम् (5) बुद्धयपराधप्रकरणम् (6) विशेषापोहप्रकरणम्
(7) बुद्धयारूढ़प्रकरणम् (8) मतिविलापनप्रकरणम् (9) सूक्ष्मताव्यापिताप्रकरणम्
(10) दृशिस्वरूप परमार्थदर्शनप्रकारण् (11) ईक्षितृत्वप्रकरणम् (12) प्रकाशप्रकरणम्
(13) अचक्षुष्ट्वपप्रकरणम् (14) स्वप्नस्मृतिप्रकरणम्

इकाई 2
पद्यभागः
(15) नान्यदन्यत्प्रकरणम् (16) पार्थिवप्रकरणम् (17) सभ्यङ्मतिप्रकणम्

इकाई 3
पद्यभागः
(18) तत्वमसिप्रकरणम् (19) तृष्णाज्वरनाशकप्रकरणम्

इकाई 4
पद्यभागः
(1) शिष्यानुशासनप्रकरणम्

इकाई 5
पद्यभागः
(2) कूटस्थाडदृयात्मषोधप्रकरणम् (3) परिसंख्यानप्रकरणम्
पाठ्यग्रन्थाः
उपदेशसाहस्त्री श्री ïbरभगपत्यादाचार्यविरचिता टीकाकार पं. गजाननशास्त्री मुसलगांवकर

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)प्रथम वर्ष

सप्तमप्र नपत्रम् :– ईश–केन–कठ–तैत्तिरीय–ऐतरेय–श्वेता वतर–उपनिषदः

इकाई 1

उपनिषदां परिचयात्मकाध्ययन तथा ईशावास्योपनिषद् हरिकृष्णदास गोयन्दका टीका अनुसारेण्।

इकाई 2

केनोपनिषद् प्रथम द्वितीय तृतीय एवं चतुर्थखण्ड सम्पूर्णः।

- कठोपनिषद् प्रथम अध्याय (प्रथम, द्वितीय एवं तृतीय वल्ली)
- द्वितीय अध्याय (प्रथम, द्वितीय एवं तृतीय वल्ली)

इकाई 3

तैत्तिरीयोपनिषद्: शिक्षावल्ली, ब्रह्मानन्दवल्ली , एवं भृगुवल्ली सम्पूर्णः।

इकाई 4

ऐतरेयोपनिषद् प्रथम अध्याय (प्रथम द्वितीय एवं तृतीय खण्ड) द्वितीय अध्याय एवं तृतीय अध्याय प्रथमखण्ड सम्पूर्णः।

इकाई 5

वेता वतर उपनिषदः प्रथम, द्वितीय,तृतीय, चतुर्थ, पंचम् एवं षष्ठम् अध्याय सम्पूर्णः।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)–द्वितीयवर्ष
प्रथम प्रश्नपत्रम्
महर्षिवेदविज्ञानम् – द्वितीय

ईकाई–1
महर्षि संदेश

इकाई–2
वैदिकवा्मय के 40 क्षेत्र, शरीर में स्थान एवं चेतना का गुण

इकाई–3
महर्षि योग

इकाई–4
शाङ्र्गधर संहिता
तृतीयोऽध्यायः

इकाई–5
शाङ्र्गधर संहिता
चतुर्थोऽध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)–द्वितीयवर्ष
द्वितीय प्रश्नपत्रम्
वैदिकवाङ्मयः– द्वितीय

ईकाई–1
आवश्वलायनगृह्यसूत्रस्य नारायणवृत्तिसंहितं द्वितीयोऽध्यायः

इकाई–2
तैत्तिरीयप्रातिशाख्यम्– पंचमोऽध्यायः

इकाई–3
तैत्तिरीयप्रातिशाख्यम्– षश्ठोऽध्यायः

इकाई–4
ताण्ड्यब्राह्मणस्य प्रथमाध्यायस्य पंचमशश्ठसप्तमाध्यायः

इकाई–5
वैदिकगणितम्– 26–30 अध्यायाः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)– द्वितीयवर्ष
तृतीय प्रश्नपत्रम्
सामान्यसंस्कृतम्– द्वितीय

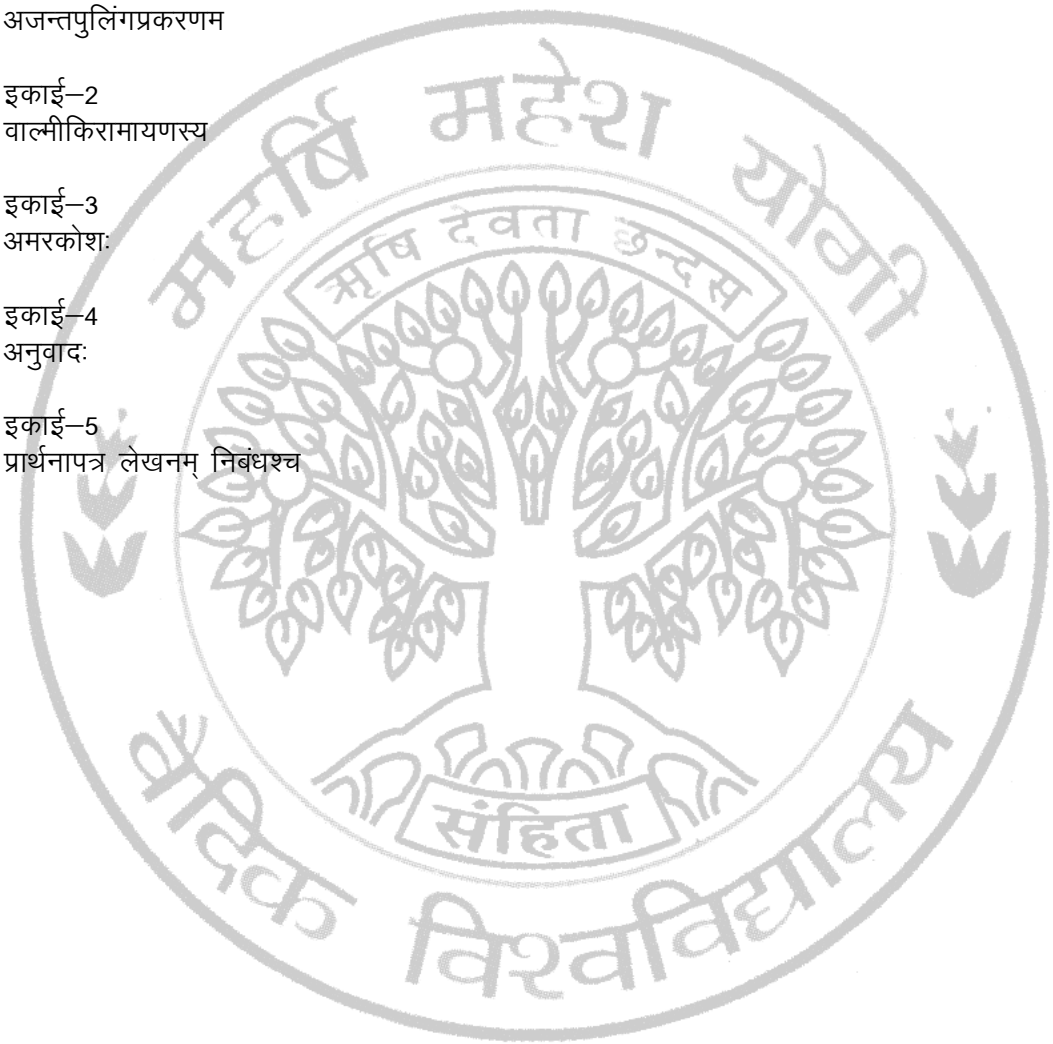
ईकाई–1
अजन्तपुलिंगप्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च



MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)– द्वितीय वर्ष
चतुर्थ प्रश्नपत्रम्
हिन्दी्– द्वितीय

ईकाई–1
आधुनिककाव्य संकलन, कवि–मैथिली ारणगुप्त, जयशंकरप्रसाद,

इकाई–2
कवि–सुमित्रानन्दनपंत, सूर्यकान्त त्रिपाठी 'निराला', माखनलालचतुर्वेदी

इकाई–3
काव्य शिल्प–बिम्ब, प्रतीकऔरमुक्त छंद

इकाई–4
ध्रुवस्वामिनी (नाटक) लेखक–जयशंकरप्रसाद

इकाई–5
ध्रुवस्वामिनी (नाटक) लेखक– जयशंकरप्रसाद, समीक्षा एवंव्याख्या

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)द्वितीयवर्ष

पंचमप्रश्नपत्रम्

योगसारसंग्रहो विज्ञानभिक्षुकृतः

इकाई 1

योगसारसंग्रहः विज्ञानभिक्षुकृतः ग्रंथस्य परिचयात्मकाध्ययन।

इकाई 2

योगसारसंग्रह प्रथमोंऽशः योगस्वरूपभेदाः– योगलक्षणम्, वृत्तयः योगस्य स्वरूपं, ईश्वरस्वरूपविचार एवं कैवल्यस्वरूपम्,।

इकाई 3

योगसारसंग्रह द्वितीयोऽशः योगसाधननानिः– योगाधिकारिणां, अभ्यासवैराग्यम् क्रियायोग अष्टांगयोग, अन्तरंगसाधना एवं उद्धरणानि।

इकाई 4

योगसारसंग्रह तृतीयोऽशः योगसिद्धिनिरूपणम् संयमसिद्धिनिरूपणास्यप्रयोजनम् एवं सिद्धिप्रकारः।

इकाई 5

योगसार संग्रह

चतुर्थोऽशः कैवल्यादिनिरूपणम् कैवल्यस्य स्वरूपं प्रकार च, मोक्षस्वरूपम् स्फोटः मनोवैभवम् एवं कालनिरूपणम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)द्वितीयवर्ष

षष्ठमप्रश्नपत्रम्ः

हठयोगप्रदीपिका

इकाई 1

हठ्योगप्रदीपिकायाः परिचयः, विविधसंस्करणानि एवं स्वात्मारामस्य परिचयात्मकाध्ययन।

इकाई 2

हठयोग प्रदीपिकायाः का प्रथम–उपदेश योगासन प्रकरणम्, आहार प्रकरणम्।

इकाई 3

षट्कर्म एवं प्राणायाम – प्रकरणम्।

इकाई 4

तृतीय उपदेश मुद्राप्रकारणम् एवं बंध प्रकरणम्।

इकाई 5

चतुर्थ – उपदेशसमाधि – प्रकरणम् एवं पंचम –उपदेशचिकित्सा प्रकरणम्।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)द्वितीयवर्ष
सप्तमप्रश्नपत्रम्ः
सिद्धासिद्धान्तपद्धिति

इकाई 1
प्रथम उपदेश (परब्रह्मविचार) आदिनाथनिरूपणं, पिण्डपुnष उत्पत्ति निरूपणम्।

इकाई 2
द्वितीय–उपदेश (पिण्डविचार) चक्र, आधार, लक्ष्य, व्योमपंचक एवं अष्टांगयोग विषय।

इकाई 3
तृतीय उपदेश (पिण्डसंवित्ति) सप्तपाताल, चारवर्ण, सप्तद्वीप आदि, नक्षत्रादि एवं स्वर्ग–नरक–मुक्ति आदि उपदेश।
चतुर्थ–उपदेश (पिण्डाधार) कुण्डलिनी विवेचनम्।

इकाई 4
पंचम – उपदेश (पिण्डपदसामरस्य) परमपदप्राप्ति, योगमार्ग एवं सद्गुn सेवनम्।

इकाई 5
षष्टम – उपदेश (अवधूत एवं सिद्धमत्त) अवधूत अवस्था, आदेश योगप्राप्ति।

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग) तृतीय वर्ष
प्रथम प्रभनपत्रम्
महर्षि वेदविज्ञानम्–तृतीय

ईकाई–1
सुरक्षा का परम सिद्धान्त पर आधारित चेतना

इकाई–2
वैदिकवा्मय के 40 क्षेत्र, शरीर में स्थान एवं चेतना का गुण

इकाई–3
सुरक्षा का परम सिद्धान्त, संविधान, महर्षि योग

इकाई–4
महर्षि पूर्ण सुरक्षा नीति

इकाई–5
शाङ्र्गधर संहिता
पंचमोंऽध्यायः, शश्ठोध्यायः

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)–तृतीय वर्ष
द्वितीय प्रश्नपत्रम्
वैदिकवाङ्मयः–तृतीय

ईकाई–1
चरणव्यूहः

इकाई–2
तैत्तिरीयप्रातिशाख्यम्

इकाई–3
ताण्ड्यब्राह्मणम् (अश्टमनवम् अध्ययौ)

इकाई–4
ताण्ड्यब्राह्मणम् (दशमोऽध्यायः)

इकाई–5
वैदिकगणितम्

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)–तृतीय वर्ष
तृतीय प्रश्नपत्रम्
सामान्यसंस्कृतम्–तृतीय

ईकाई–1
हलन्त एवं कृदन्त प्रकरणम

इकाई–2
वाल्मीकिरामायणस्य

इकाई–3
अमरकोशः

इकाई–4
अनुवादः

इकाई–5
प्रार्थनापत्र लेखनम् निबंधश्च

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)–तृतीय वर्ष
चतुर्थ प्रश्नपत्रम्
हिन्दी्–तृतीय

ईकाई–1
समकालीनकाव्य संकलन–कवि–अज्ञेय, मुक्तिबोध,

इकाई–2
कवि–नागार्जुन, भवानीप्रसादमिश्र।

इकाई–3
साहित्यिकप्रवृत्तियां–प्रगतिवादप्रयोगवाद एवंनयीकविता।

इकाई–4
हिन्दीसाहित्य का इतिहास–आदिकाल एवंभक्तिकाल

इकाई–5
रीतिकाल एवं आधुनिककाल

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग)–तृतीय वर्ष

पंचम् प्रश्नपत्रम्ः

योगसूत्रम्

इकाई 1

भोजवृत्तिकारस्य परिचय विद्याप्रस्थानेषु भोजस्य प्रामाण्यं एवं भोजस्य ग्रंथ

- भोजस्य दृष्टौ योगसूत्रकारः।
- योगसूत्र ईश्वरस्य विषये भोजदृष्टि
- योगसूत्र एवं भोजवृत्ति विम र्ाः

इकाई 2

समाधिपादः भोजदेव विरचित–राजमार्तण्ड वृत्तिसमेतम।

इकाई 3

साधनपादः भोजदेव विरचित–राजमार्तण्ड वृत्तिसमेतम्।

इकाई 4

विभूतिपादः भोजदेव विरचित–राजमार्तण्ड वृत्तिसमेतम्।

इकाई 5

कैवल्यपादः भोजदेव विरचित–राजमार्तण्ड वृत्तिसमेतम्।

पाठ्यगन्थाः योगसूत्रम् (भोजवृत्तिसहितम्)

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग) तृतीयवर्ष

षष्ठम प्रश्नपत्रम्ः

श्रीमद्भागवतम् – श्रीमद्भगवद्गीता

इकाई 1

श्रीमद्भागवतम् तृतीयस्कन्धस्य विषयवस्तु समीक्षा।

इकाई 2

श्रीमद्भागवतम् योगविषयकः कपिल – देवहूतिसंवादो

इकाई 3

श्रीमद्भगवद्गीता – मधुसूदनीटीका 1 – 6 अध्यायः विषादयोग, सांख्ययोग, कर्मयोग, ज्ञानकर्मसंन्यासयोगः, कर्मसन्यासयोगः एवं आत्मसंयमयोग।

इकाई 4

श्रीमद्भगवद्गीता मधुसूदनीटीका 7 – 12 अध्यायः ज्ञानविज्ञानयोग अक्षरब्रmयोग, राजविद्याराजगुहयोग, विभूतियोग, विश्वरूपद र्शनयोग एवं भक्तियोग।

इकाई 5

श्रीमद्भगवद्गीता मधुसूदनीटीका 13 – 18 अध्यायः श्रेत्रज्ञविभागयोग, गुणत्रयविभागयोग, पुरषोत्तमयोग, देवासुरसम्पद्विभाग योग, श्रद्धात्रयविभागयोग,मोक्षसंन्यासयोग,

MAHARISHI MAHESH YOGI VEDIC VISHWAVIDYALAYA

DIRECTORATE OF DISTANCE EDUCATION

शास्त्री (योग) तृतीयवर्ष

सप्तमप्रश्नपत्रम्ः

घेरण्डसंहिता

इकाई 1

- घेरण्डसंहितायाः का परिचयात्मक स्वरूप
- घेरण्डसंहितायां भुाद्धि किया (प्रथमोपदेशः)

इकाई 2

घेरण्डसंहितायां आसनम् (द्वितीय उपदेश)

इकाई 3

घेरण्डसंहिता तृतीय एवं चतुर्थ उपदेश्म् (मुद्रा एवं प्रत्याहार)

इकाई 4

घेरण्डसंहितायाः पंच उपदेशप्राणायामः

इकाई 5

घेरण्डसंहितायाः षष्ठ्म उपदेश ध्यान एवं समाधि