

**SCHEME OF EXAMINATION**

**&**

**DETAILED SYLLABUS**

**For**

**B.A. (PHILOSOPHY)**

**FACULTY OF ARTS**

### B.A (PHILOSOPHY)(3 yrs Programme)

<b>First Year</b>				
<b>Code No.</b>	<b>Subject</b>	<b>Internal Marks</b>	<b>External Marks</b>	<b>Total</b>
BAPHI101	Introduction to Philosophy	30	70	100
BAPHI102	Ethics (Indian & Western)	30	70	100
BAPHI103	Indian Philosophy	30	70	100
BAPHI104	Fundamentals of IT	30	70	100
BAPHI105	English-I	30	70	100
BAPHI106	Hindi-I	30	70	100
BAPHI104-P	Fundamentals of IT Lab	20	30	50
	<b>Total</b>	<b>200</b>	<b>450</b>	<b>650</b>

<b>Second Year</b>				
<b>Code No.</b>	<b>Subject</b>	<b>Internal Marks</b>	<b>External Marks</b>	<b>Total</b>
BAPHI201	Psychology & Social-Political Philosophy	30	70	100
BAPHI202	Western Logic	30	70	100
BAPHI203	Philosophy of Education	30	70	100
BAPHI204	Environmental Science	30	70	100
BAPHI205	English –II	30	70	100
BAPHI206	Hindi-II	30	70	100
	<b>Total</b>	<b>180</b>	<b>420</b>	<b>600</b>

<b>Third Year</b>				
<b>Code No.</b>	<b>Subject</b>	<b>Internal Marks</b>	<b>External Marks</b>	<b>Total</b>
BAPHI301	History Of Western Philosophy	30	70	100
BAPHI302	Greek & Medieval Philosophy	30	70	100
BAPHI303	Philosophy of Religion	30	70	100
BAPHI304	Social Philosophy	30	70	100
BAPHI305	Applied Philosophy	30	70	100
BAPHI306	English-III	30	70	100
BAPHI307	Hindi-III	30	70	100
	<b>Total</b>	<b>210</b>	<b>490</b>	<b>700</b>

**Year-1**

## **Introduction to Philosophy**

### **Unit I**

#### **Nature and scope of Philosophy**

1. Definitions of Philosophy
  - a) Indian - Etymological Definition - TattvajñĀna  
- Philosophy as DarḌana
  - b) Western - Etymological Definition  
- Philosophy as synoptic view of the world
2. Branches of philosophy (Western)

### **Unit II**

#### **Epistemology**

- 1) Nature and concept of knowledge
- 2) Sources of knowledge :
  - a) Indian - PratyakḌa, AnumĀna, ĩabda
  - b) Western - Sense-experience, Reason

### **Unit III**

#### **Metaphysics**

- 1) Nature of Reality
  - a) Indian - CĀrvĀk, Buddhism, VedĀnta
  - b) Western - Materialism, Idealism

### **Unit IV**

#### **Logic and Methodology**

1. Methods of Philosophy : Method of VĀda and Dialogue
2. Nature of Argument - Forms of Reasoning : Deductive and Inductive

### **Unit V**

#### **Ethics (Indian)**

Basic concepts in Indian Ethics : ©ta. Rna, Dharma, VarÆĀḌramadharma, SĀdharaÆadhama

### **Unit VI**

#### **Ethics (Western)**

Basic Concepts in Western Ethics : Good, Right, Duty, Obligation  
Hedonism, Utilitarianism, Kant's Deontological theory

### **Unit VII**

#### **Aesthetics**

- 1) Nature of Art
- 2) Nature of Beauty
- 3) Art and Morality

## **Unit VIII**

### **God**

- 1) Nature and attributes of God
- 2) Relation between God and World : Deism, Theism, Pantheism
- 3) Proofs for Existence of God : Cosmological, Ontological, Teleological, Moral  
(Indian - NyÁya DarĐan and Western views)

### **Prescribed Readings**

- 1) Ewing A.C., Fundamental Questions of Philosophy, Routledge & Kegan Paul Ltd., London, 1958 , New York, 1969
- 2) Titus; Living Issues in Philosophy : An Introductory Text Book, Eurasia Publishing House Pvt. Ltd., New Delhi, 1968
- 3) Datta and Chatterjee, An Introduction to Indian Philosophy
- 4) John Hospers; Introduction to philosophical Analysis, Allied Publishers, Bombay, 1975
- 5) Mead Hunter H., Types and Problems of Philosophy, Henry Holt & CO., New York, 1958
- 6) Jadunath Sinha, A Manual of Ethics, New Central Book Agency Pvt. Ltd., Calcutta, 1998.
- 7) Jadunath Sinha, Introduction to Philosophy, New Central Book Agency Pvt. Ltd., Calcutta, 2000.
- 8) Jadunath Sinha, Outline of Indian Philosophy, New Central Book Agency Pvt. Ltd., Calcutta, 1998.
- 9) Dixit Shreenivas Hari, Bharatiya Tattvajnanatila, Phadke Pkashan, Kolhapur (1996)
- 10) Kedarnath Tiwari, Classical Indian Ethical Thought; Motilal Banarsidass, Delhi, 1998,
- 11) Titus; Ethics for Today, Eurasia Publishing house Pvt. Ltd., New Delhi, 1966,
- 12) Randall John H. Philosophy : An Introduction, Barnes & Noble Inc. , New York, 1969

## **Ethics (Indian & Western)**

### **Part - I**

1. Introduction: Concerns and Presuppositions
2. The ideals of Sthitaprañjna and lokasamgraha
3. Karmayoga: (Gīta)
4. Purusārthas and their inter-relations.
5. Meaning of Dharma, Concept of Rna and Rta; Classification of Dharma: Sāmānya dharma, Viśesadharmā, Sādhāranadharmā
6. Buddhist Ethics: Concept of Bodhisattva & Arhat
7. Jaina Ethics: Concept of Triratna

### **Part - II**

1. Nature and Scope of Ethics
2. Moral and Non-moral actions, Object of Moral Judgement—Motive and Intention, ends and means
3. Standards of Morality: Hedonism—Ethical, Psychological, Utilitarianism: Bentham and Mill.
4. Intuitionism, Butler's theory of conscience as the ultimate standard of moral judgment
5. Kant's Ethical Theory.
6. Theories of punishment.

### **Suggested Readings:**

1. The Ethics of the Hindus: S.K. Maitra
2. Classical Indian Ethical Thought: K.N. Tewari
3. Development of Moral Philosophy in India; Surama Dasgupta
4. Ethical Philosophies of India: I.C. Sharma
5. Studies on the Purusarthas: P.K. Mahapatra (ed.)
6. A Manual of Ethics: J.S. Mackenzie
7. Ethics: W. Frankena
8. Problems of Ethics: S. A. Shaida, Spectrum Publications, Delhi, 2003
9. Ethics-Theory and Practice: Y.V. Satyanaryana
10. Human Conduct: J. Hospers
11. Neeti Shashtra ka Mool Siddhant: Ved Prakash Verma
12. Neetishashtra ka Sarvekshana: S.L. Pandey

## Indian Philosophy

### UNIT-I

**Introduction:** Common characteristics and classification of Indian Philosophical Schools: Āstika and Nāstika

**Cārvāka School**—Epistemology, Metaphysics

**Jainism**—Concept of Sat, Dravya, Paryāya, Guna; Anekāntavāda, Syādvāda and Saptabhanginaya.

### UNIT-II

**Buddhism**— Four noble Truths, Theory of Dependent Origination (Pratītyasamutpādvāda), Definition of Reality (Arthakriyākāritvamsattvam), Doctrine of Momentariness (Ksanabhangavāda), Theory of no-soul (Nairātmyavāda), and Nirvana

**Nyāya** –Pramā and Pramāna, Pratyaksa (Definition), Sannikarsa, Classification of Pratyaksa: Nirvikalpaka, Savikalpaka, Laukika, Alaukika; Anumiti, Anumāna (Definition), vyāpti, parāmarśa, Classification of Anumāna: pūrvavat, śesavat, smānyatodrista, kevalānvayī, kevalavyātirekī, anvayavyātirekī, svārthānumāna, parārthānumāna, Upamāna, Śabda Pramana.

**Vaiśesika**—Seven Padārthas, dravya, guna, karma, sāmānya, viśesa, samavāya, abhāva,

### UNIT-III

**Sāmkhya**—Satkāryavāda, Nature of Prakṛti , its constituents and proofs for its existence. Nature of Purusa and proofs for its existence, plurality of purusas, theory of evolution.

**Yoga**—Citta, Cittavṛtti, Cittabhūmi. Eight fold path of Yoga, God.

**Mīmāṃsā** (Prābhakara and Bhatta): Arthāpatti and Anupalabdhi as sources of knowledge.

### UNIT-IV

**Advaita Vedānta**—Sankara's view of Brahman, Saguna and Nirguna Brahman, Three grades of Sattā: prātibhāsika, vyavahārika and pāramārthika, Jīva, Jagat and Māyā. **Viśistādvaita Vedānta**—Ramanuja's view of Brahman, Jīva, Jagat. Refutation of the doctrine of Māyā.

### Suggested Readings:

1. Outlines of Indian Philosophy: M. Hiriyanna
2. A Critical Survey of Indian Philosophy: C.D. Sharma
3. An Introduction to Indian Philosophy: D. M. Dutta & S.C. Chatterjee
4. Classical Indian Philosophy: J.N. Mohanty
5. Indian Philosophy (Vol. I & II): S. Radhakrishnan
6. Bhartiya Darshan: Ram Murti Pathak
7. Bhartiya Darshan: Aalochan evam anusheelan: C.D. Sharma
8. Bhartiya Darshan: Dutta evam Chatterjee

## Fundamentals of IT

Objectives: **This is a basic paper for Commerce students to familiarize with computer and its applications in the relevant fields and exposes them to other related papers of IT.**

### UNIT – I

#### **Introduction to Computers:**

The evolution of computers - Computer Generation from First Generation to Fifth Generation, Classifications of Computers - Micro, Mini, Mainframe and Super Computers, Distributed Computer System, Parallel Computers.

Computer Hardware – Major Components of a Digital Computer, Block Diagram of Computer, Input-Output devices, Description of Computer Input Units, Output Units, CPU

Computer Memory - Memory Cell, Memory Organization, Read Only Memory, Serial Access Memory, Physical Devices Used to construct Memories, Magnetic Hard disk, floppy Disk Drives, Compact Disk Read Only Memory, Magnetic Tape Drives.

### UNIT – II

#### **Number System:**

Decimal, Binary, Octal, Hexa-decimal. Conversion - Decimal to all other number systems, Binary to octal and Hexa Decimal, Addition of binary numbers, Binary subtraction, Use of complements to represent negative numbers, Conversion of a binary fraction to a decimal fraction and decimal to binary fraction, Binary Coded Decimal(BCD), ASCII Codes, EBCDIC codes, Gray codes, Unicodes.

#### **Algorithm and Flowcharts:**

Algorithm: Definition, Characteristics, Advantages and disadvantages, Examples

Flowchart: Definition, Define symbols of flowchart, Advantages and disadvantages, Examples

### UNIT – III

#### **Computer Software:**

System software, assemblers, compilers, interpreters, linkers Elementary , Operating System concepts, different types of operating systems, Application Software.

Introduction to MS Office (MS-Word, MS PowerPoint, MS-Excel)

Computer Programming and Languages: Algorithms, flow chart, decision tables, pseudo code, Low level languages and introduction to high level languages.

### UNIT – IV

#### **Data Communication and Computer Networks:**

Data Transmission mode, Data transmission media, Digital and Analog Transmission

What is computer Network? Network types, Network Topologies, Communication Protocol, OSI Model

### UNIT - V

#### **The Internet:**

Definition, Brief History, Network Types (LAN, WAN and MAN), Client and Servers, Intranet, Extranet. Basic Services, Email, File Transfer Protocol, Telnet, Usenet News, Terminologies related to Internet: Protocol, Domain name, IP address, URL, World Wide Web.

Overview of various services on Internet: E-mail, FTP, Telnet, Chat, Instant Messaging

Internet Search Tools: Gopher, Archie, World Wide Web.

WWW Browsers: Line Browsers, Graphical Browsers, Java Enabled Browsers.

Uses of the Internet: Internet Service Providers and Types of Internet Connection: Direct/Leased line Connection, Remote Dial up Connection, SLIP/PPP Connection

**Text Books:**

1. Alex Leon & Mathews Leon, "Fundamentals of Information Technology", LeonTechworld, 1999.
2. Vikas Gupta, "Comdex Computer Kit", Wiley Dreamtech, Delhi, 2004
3. P. K. Sinha & Priti Sinha , "Computer Fundamentals", BPB Publications, 1992.

**Reference Books:**

1. V. Raja Raman, "Introduction to Computers", PHI, 1998.
  2. Alex Leon & Mathews Leon, "Introduction to Computers", Vikas Publishing House, 1999.
- Norton Peter, "Introduction to computers", 4<sup>th</sup> Ed., TMH, 2001.

## English-I

**Objective:** The objective of this course is to familiarize students about the dynamics of business language and discourse.

### Unit -I

#### Texts: (Any Five)

1. Nirendranath Chakrabarti, "Amalkanti". (From oxford Anthology of Modern Indian Poetry, eds. Dharwadkar and Ramanujan).
2. Toru Dutt, "Sita"
3. Jawaharlal Nehru, "Tryst with Destiny".
4. Mirza Ghalib, "Delhi in 1857".
5. C. Rajagopalachari, Preface to the Mahabharata.
6. Nibir K. Ghosh, "Spiritual Nationalism of Sri Aurobindo".
7. Madhumalati Adhikari, "The Heritage of Indian Culture".
8. Rabindranath Tagore, "Where the Mind is Without Fear".
9. Kabir, one song translated by Tagore.
- 10.M.K. Gandhi, extract from "Satyagraha".
- 11.R.K. Narayan, "Toasted English".
- 12.Ruskin Bond," The Old Lama".
- 13.Khushwant Singh, " The Portrait of a Lady".
- 14.Ashok Mahadevan and Sushan Shetty,"Discovering Babasaheb", Section on "Clash of Titans" (Reader's Digest, December 2006).

### Unit -II

#### Comprehension of an unseen passage:

Questions should be objective/multiple choice, and should test (a) an understanding of the passage in question, and (b) a grasp of general language skills and issues with reference words and usage within the passage.

### Unit -III Paragraph

#### Writing:

Based on expansion of an idea. Word Limit :100-150 words. Candidates to attempt any one of three alternative topics provided

### Unit -IV

#### Basic language skills-Vocabulary:

Synonyms, antonyms, one- word substitution for phrases, prefixes, suffixes and word -derivation. Making sentences with idioms and phrases, corrections of sentences with words likely to be confused. Questions should not repeat examples or exercises given in the textbook.

## **Unit -V**

### **Basic language skills - Grammar and Usage:**

Modals, linking device, tenses and prepositions. Verb forms and structures, gerunds, participles and infinitives, verbs followed by a preposition and phrasal verbs, articles and determiners, countable and uncountable nouns, adjectives and articles. Questions should not repeat the examples or exercises given in the textbooks.

**Hindi-I****आधार पाठ्यक्रम**

प्रश्न पत्र - प्रथम

**पाठ्य विषय**

**इकाई-1** पल्लवन, पत्राचार तथा अनुवाद एवं पारिभाषिक शब्दावली ।

**इकाई-2** मुहावरे-लोकोक्तियाँ, शब्दशुद्धि, वाक्य शुद्धि, शब्द ज्ञान-पर्यायवाची, विलोम, अनेकार्थी, समश्रुत (समानोचरित) अनेक शब्दों के लिए एक शब्द ।

**इकाई-3** देवनागरी लिपि की विशेषता, देवनागरी लिपि एवं वर्तनी का मानक रूप ।

**इकाई-4** कम्प्यूटर में हिन्दी का अनुप्रयोग, हिन्दी में पदनाम ।

**इकाई-5** हिन्दी अपठित, संक्षेपण, हिन्दी में संक्षिप्तीकरण ।

**पाठ्य क्रम के लिए पुस्तकें -**

- |                                      |   |                                      |
|--------------------------------------|---|--------------------------------------|
| 1. भारतीयता के स्वर साधन धनंजय वर्मा | - | म. प्र. ग्रंथ अकादमी ।               |
| 2. नागरी लिपि और हिन्दी              | - | अनंत चौधरी - ग्रंथ अकादमी पटना ।     |
| 3. कम्प्यूटर और हिन्दी               | - | हरिमोहन - तक्षशिला प्रकाशन, दिल्ली । |

## **Fundamentals of IT LAB**

1. Text Manipulations
2. Usage of Numbering, Bullets, Tools and Headers
3. Usage of Spell Check and Find and Replace
4. Text Formatting
5. Picture Insertion and Alignment
6. Creation of Documents Using Templates`
7. Creation of Templates
8. Mail Merge Concept
9. Copying Text and Picture From Excel
10. Creation of Tables, Formatting Tables
11. Splitting the Screen
12. Opening Multiple Document, Inserting Symbols in Documents

### **MS-EXCEL**

1. Creation of Worksheet and Entering Information
2. Aligning, Editing Data in Cell
3. Excel Function (Date, Time, Statistical, Mathematical, Financial Functions)
4. Changing of Column Width and Row Height (Column and Range of Column)
5. Moving, copying, Inserting and Deleting Rows and Columns
6. Formatting Numbers and Other Numeric Formats
7. Drawing Borders Around Cells
8. Creation of Charts Raising Moving
9. Changing Chart Type
10. Controlling the Appearance of a Chart

### **MS -POWER POINT**

#### Working With Slides

1. Creating, saving, closing presentation
2. Adding Headers and footers
3. Changing slide layout
4. Working fonts and bullets
5. Inserting Clip art: working with clipart,
6. Applying Transition and animation effects
7. Run and Slide Show

### **DOS**

1. Basics of DOS
2. DOS (Internal & External Commands)
3. Use of Wild Card Character

**Year-2**

## Psychology & Social-Political Philosophy

### Unit-I

- A. Methods of Psychology: Introspection, Extrospection, Experimental Methods—variables—dependent & independent, controls in experiment, limitations of experimental method.
- B. Sensation and perception: Nature of sensation, nature of perception, relation between sensation and perception, Gestalt theory of perception.
- C. Learning: Theories of Learning—Trial and error theory, Thorndike's laws of learning, Gestalt Theory, Pavlov's theory of conditioned response, B.F. Skinner's theory of Operant Conditioning (reinforcement, extinction, punishment).

### Unit-II

- A. Interactionism, Double-aspect theory, Philosophical Behaviorism, Identity theory, The Person theory (Strawson).
- B. Consciousness: Levels of mind—Conscious, Sub-conscious, Unconscious, proofs for the existence of Unconscious, Freud's theory of Dream.
- C. Intelligence: Measurement of Intelligence, I.Q., Test of Intelligence, Binet-Simon test, Terman-Merrill and Wechsler test.

### Unit-III

- A. Nature and Scope of i) Social Philosophy ii) Political Philosophy. Relation between social and political Philosophy.
- B. Basic concepts: Society, community, association, institution, family: nature, different forms of family, role of family in the society.
- C. Marxist conception of class.
- D. Theories regarding the relation between individual and society
- i) Individualistic theory
  - ii) Organic theory
  - iii) Idealistic theory

### Unit-IV

- A. Secularism—its nature, Secularism in India.
- B. Social Change: Nature, Relation to Social progress, Marx-Engles on social change, Gandhi on social change.
- C. Political Ideals: Nature of Democracy and its different forms, direct and indirect democracy, liberal democracy, democracy as a political ideal, Socialism: Utopian and Scientific, Anarchism.

### Suggested Readings:

- A Textbook of Psychology: Pareshnath Bhattacharya
- Introduction to Psychology: G.T. Morgan, R. A. King Jr.
- A Modern Introduction to Psychology: Rex Knight & M. Knight
- A Manual of Psychology: G.F. Stout
- Psychology: Woodworth & Marquis
- Science and Human Behaviour: B.F. Skinner
- About Behaviorism: B.F. Skinner
- General Psychology: G.D. Boaz

## Western Logic

### Unit—I

A. Logic and Arguments, Deductive and Inductive Arguments, Truth and Validity. Categorical propositions and classes: quality, quantity and distribution of terms, Translating categorical propositions into standard form.

B. Immediate inferences: Conversion, Obversion and Contraposition, Traditional square of opposition and Immediate Inferences based there on; Existential Import, symbolism and Diagrams for categorical propositions.

C. Categorical Syllogism: Standard Form categorical Syllogism; The Formal nature of Syllogistic Argument, Rules and Fallacies, General Rules; To test Syllogistic Arguments for validity (by applying general rules for syllogism); To solve problems and prove theorems concerning syllogism.

D. Boolean Interpretation of categorical propositions; Review of the Traditional Laws of Logic concerning immediate inference and syllogism; Venn Diagram Technique for Testing Syllogisms, Hypothetical and Disjunctive Syllogisms, Enthymeme, The Dilemma.

### Unit—II

A. Induction: Argument by Analogy, Appraising Analogical Arguments, Refutation by Logical Analogy.

B. Causal Connections: Cause and Effect, the meaning of “Cause”; Induction by Simple Enumeration; Mill’s Method of Experimental Inquiry; Mill’s Method of Agreement, Method of Difference, Joint Method of Agreement and Difference, Method of Residues, Method of Concomitant Variations; Criticism of Mills Methods, Vindication of Mill’s Methods.

C. Science and Hypothesis: Explanations; Scientific and Unscientific, Evaluating Scientific Explanations; The pattern of Scientific Investigation; Crucial Experiments and Ad Hoc Hypotheses.

D. Probability: Alternative Conception of Probability; The Probability Calculus; Joint Occurrences; Alternative Occurrences.

### Unit—III

A. Quantification Theory: Need for Quantification Theory, Singular Propositions; Quantification; Translating Traditional subject predicate proposition into the logical notation of propositional function and quantifiers;

B. Quantification Rules and Proving Validity; Proving Invalidity for arguments involving quantifiers.

### Suggested Readings:

- Introduction to Logic (13th Edn.): I.M. Copi & C. Cohen
- Symbolic Logic: I.M. Copi
- Methods of Logic (Part I, Ch.s 5,7,9): W.V.O. Quine
- Introduction to Logic and Scientific Method: Cohen & Nagel
- Logic: Informal, Symbolic and Inductive: Chhanda Chakraborty
- Logic: Stan Baronett & Madhuchhanda Sen

## **Philosophy of Education**

### **UNIT-I**

#### **1. Philosophy and Education:-**

- A) Meaning of Philosophy
- B) Meaning of Education
- C) Relation between Philosophy and Education

#### **2. Idealism and Education:-**

- A) Exponents and main Philosophical Ideas of Idealism
- B) Aims of Education
- C) The curriculum and methods of teaching

#### **3. Naturalism and Education:-**

- A) Exponents and main Philosophical Ideas of naturalism
- B) Aims of Education
- C) The curriculum and methods of teaching

#### **4. Pragmatism and Education:-**

- A) Exponents and main Philosophical Ideas of pragmatism
- B) Aims of education
- C) The curriculum and methods of teaching

### **UNIT-II**

#### **5. Religion Education:-**

- A) Meaning and nature of religion
- B) Aspects of religious education
- C) Importance of religious education

#### **6. Discipline and Freedom:-**

- A) Concept of Discipline
- B) Concept of Freedom
- C) Reconciliation of discipline and freedom

#### **7. Democratic Socialism and Education:-**

- A) Characteristics of Democratic Socialism
- B) Educational Policies of Democratic Socialism

#### **8. Education and National Intergration:-**

- A) Meaning of National Integration
- B) Need of National Integration
- C) Educational Programmes for National Integration

## Environmental Science

### Unit-1

Diversities of lifeforms- Concept of taxonomy, systematic and classification with respect to plant kingdom, animal kingdom and microbial world.

### Unit-2

Fundamental of chemical equilibrium and reaction kinetics -Stoichiometry, chemical equilibrium, thermodynamics application in reaction process (both chemical and biological process), acid base reaction, solubility products, bioinorganic complexes and their importance.

### Unit-3

Radiation Physics-Electromagnetic radiation characteristics and its biological effects, radioactivity-source, characteristics, and impacts, radiation in diagnosis and therapy of diseases, radioisotopes and radionuclide in biological systems

### Unit-4

Tropical monsoon-causes, and impacts, impacts of climate change on tropical monsoon

### Unit-5

Noise Pollution- source of noise, distinction between sound and noise, noise impacts, noise monitoring and control strategies

### REFERENCE

- a) Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.
- b) Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad – 380 013, India, Email:mapin@icenet.net (R)
- c) Brunner R.C., 1989, Hazardous Waste Incineration, McGraw Hill Inc. 480p
- d) Clark R.S., Marine Pollution, Clanderson Press Oxford (TB)
- e) Cunningham, W.P. Cooper, T.H. Gorhani, E & Hepworth, M.T. 2001, Environmental Encyclopedia, Jaico Publ. House, Mumabai, 1196p
- f) De A.K., Environmental Chemistry, Wiley Eastern Ltd.
- g) Down to Earth, Centre for Science and Environment (R)
- i) Hawkins R.E., Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
- .k) Jadhav, H & Bhosale, V.M. 1995. Environmental Protection and Laws. Himalaya Pub. House, Delhi 284 p.
- l) Mckinney, M.L. & School, R.M. 1996. Environmental Science systems & Solutions, Web enhanced edition. 639p.

## English -II

### Unit-I (Any Five)

1. Walt Whitman – O Captain! My Captain!
2. George Orwell – What is Science
3. J. Bronowski - The Dilemma of The Scientist
4. Will Durant – The Origin of Science
5. Somerset Maugham – The Luncheon
  - Henry The Last Leaf
6. Major Ancient Indian Scientist Adopted
7. C.P Snow- Ramanujan
8. Aldous Huxley – J.C.Bose
9. Human Rights
10. R.K Narayan – The Axe
11. Dr. C.V Raman - Water
12. Robert Frost – stopping by Woods on a Snow evening
13. Dr. Yashodhara Mishra – Understanding Gender issues.

### Unit-II

Comprehension of an unseen passage question should be objective/Multiple - choice and should test (a) an understanding of the passage in question, and (b) a group of general language skills and issues with Reference Word and usage Within the passage.

### Unit-III

Paragraph Writing: - Based on expansion word limit 100-150 words. Candidates to attempt any one of three alternative topics provided.

### Unit-IV

Basic language Skill-Vocabulary Synonyms Antonyms one word Substitution of Phrases, Prefixes, Suffixes and word Derivation making Sentence With Idioms and Phrases Corrections of Sentence With Words Likely to be Confused Question Should not repeat the Examples Or exercises given in the text book

### Unit-V

Basic language Skill- Grammar and Usage modals linking devices, tenses, and preposition verb forms Structures Gerunds Participles and infinitive, verbs followed by a preposition and phrasal verbs, articles and determiners Countable and uncountable nouns adjectives, and adverbs. Questions Should not repeat the example exercise given in the text book

**Hindi -II****भाग - दो, आधार पाठ्यक्रम  
( हिन्दी भाषा )**

**खण्ड-क** निम्नलिखित 5 लेखकों के एक-एक निबंध पाठ्यक्रम में सम्मिलित होंगे -

1. महात्मा गांधी - सत्य और अहिंसा
2. विनोबा भावे - ग्राम सेवा
3. आचार्य नरेन्द्र देव - युवकों का समाज में स्थान
4. वासुदेव शरण अग्रवाल - मातृ-भूमि
5. भगवतशरण उपाध्याय - हिमालय की व्युत्पत्ति
6. हरि ठाकुर - डॉ. खूबचंद बघेल

**खण्ड-ख** हिन्दी भाषा और उसके विविध रूप

- कार्यालयीन भाषा
- मीडिया की भाषा
- वित्त एवं वाणिज्य की भाषा
- मशीनी भाषा

**खण्ड-ग** अनुवाद व्यवहार : अंग्रेजी से हिन्दी में अनुवाद

हिन्दी की व्यवहारिक कोटियाँ-

रचनागत प्रयोगगत उदाहरण, संज्ञा, सर्वनाम, विशेषण, क्रिया विशेषण, समास, संधि एवं संक्षिप्तियां, रचना एवं प्रयोगगत विवेचन ।

**Year-3**

## History of Western Philosophy

### Unit-I

- A. Plato: Theory of Knowledge , Theory of Forms.  
 B. Aristotle : Critique of Plato's theory of Forms, theory of Causation.

### Unit—II

- A. Descartes : Cartesian method of doubt, cogito ergo sum, criterion of truth, types of ideas, Proofs for the existence of God, Proofs for the existence of the external world.  
 B. Spinoza : Doctrine of substance, attributes and modes, existence of God, Pantheism, three orders of knowing.  
 C. Leibniz : Monads, truths of reason, truths of facts, innateness of ideas, Some metaphysical principles : Law of Identity of indiscernibles, Law of sufficient reason, Law of continuity, Doctrine of Pre-established harmony

### Unit—III

- A. Locke : Refutation of innate ideas, the origin and formation of ideas, simple and complex ideas, substance, modes and relations, nature of knowledge and its degrees, limits of knowledge, primary and secondary qualities, representative realism.  
 B. Berkeley : Refutation of abstract ideas. Criticism of Locke's distinction between primary and secondary qualities, Immaterialism, esse-est-percipi, role of God.  
 C. Hume : Impression and ideas, association of ideas, distinction between judgements concerning relations of ideas and judgements concerning matters of fact, theory of causality, theory of self and personal identity, Scepticism.

### Unit—IV

- A. Kant : Conception of critical Philosophy, distinction between a priori and a posteriori judgements, distinction between analytic and synthetic judgements. Possibility of Synthetic a priori judgements, General problem of the Critique.  
 Transcendental Aesthetic : Space & time—Metaphysical & Transcendental expositions of the ideas of space & time.

### Suggested Readings:

- A Critical History of Greek Philosophy: W.T. Stace.
- Encyclopedia of Philosophy: P. Edwards (ed.)
- A History of Philosophy: F. Copleston, vols. I,IV,V,VI
- History of Western Philosophy: B. Russell
- History of Modern Philosophy: R. Falckenberg
- A Critical History of Modern Philosophy: Y.H. Masih
- A History of Philosophy: F. Thilly.
- A History of Modern Philosophy: W.K. Wright
- A Critical History of Western Philosophy: D.J. O'Connor
- A History of Philosophy from Descartes to Wittgenstein: R. Scruton.

## Greek & Medieval Philosophy

### UNIT-I

#### • Pre-Socratic Philosophers and Socrates

1. Cosmologists: Thales, Anaximander, Anaximenes, Empedocles, Anaxagoras, Democritus.
2. Pythagoras :Number, universe and soul; Heraclitus : Logos, Becoming; Parmenides : Being
3. Sophists : Relativism, Scepticism;
4. Socrates : Virtue, knowledge and Socratic method

### UNIT-II

#### • Plato

1. Response to tradition : Relativism and Scepticism of sophists : Being- Becoming
2. Distinction between knowledge and opinion. Knowledge as recollection
3. Theory of forms
4. Idea of God and soul

### UNIT-III

#### • Aristotle

1. Response to tradition: criticism of Plato's theory of forms and his views on knowledge, being and becoming.
2. Substance as a category; concepts of form and matter
3. Problem of change, four causes, potentiality and actuality.
4. Proofs for the existence of God

### UNIT-IV

#### • Medieval Philosophy

1. St. Augustine: Problem of Evil.
2. St. Anselm: Ontological Argument
3. St. Thomas Aquinas: Faith and reason; essence and existence; proofs for the existence of God.

#### Prescribed Readings:

1. Thilly and Wood, A History of Philosophy, Central Book Depot, Allahabad, 1965.
2. W T Stace, A Critical History Of Greek Philosophy, Macmillan Martin's Press,1969.
3. K.C. Guthrie, The Greek Philosophers From Thales To Aristotle, Methuen and Co. LTD. London, 1967
4. Greek Darshan: C.L. Tripathi
5. Greek evam Madhyayugeen Darshan Ka Vaijnanik Itihaas: J.S. Srivastava

## Philosophy of Religion

### Unit-I

#### Philosophy of Religion-I

A. Nature and scope of Philosophy of Religion.

Doctrine of karma and rebirth, doctrine of liberation, (Hindu, Bauddha and Jaina views).

B. The Philosophical teachings of the Holy Quoran: God the ultimate Reality, His attributes, His relation to the world and man.

C. Some basic tenets of Christianity: The doctrine of Trinity, The theory of Redemption

### Unit-II

A. Arguments for the existence of God: Cosmological, Teleological and Ontological arguments, Nyāya arguments

B. Grounds for Disbelief in God: Sociological theory (Durkheim), Freudian theory, Cārvāka, Bauddha and Jaina views

C. The Peculiarity of Religious Language: The doctrine of analogy, Religious statements as Symbolic, Religious language as Non-Cognitive (Randal's view), the language game theory (D.Z. Phillip)

### Suggested Readings:

- The Fundamentals of Hinduism-A Philosophical Study: S.C. Chatterjee
- Ethics in the Vedas, Satya prakash Singh in Historical-Developmental Study of Classical Indian Philosophy,[History of Science, Philosophy and Culture in Indian Civilisation(Vol. XII, Part 2)]: Rajendra Prasad (ed.)
- Rta, Satya, Tattva, Tathya, Samiran Chandra Chakraborty in Philosophical Concepts Relevant to Sciences in Indian Tradition,[ History of Science, Philosophy and Culture in Indian Civilisation(Vol. VIII, Part 4)]: P.K. Sen (ed.)
- Development of Moral Philosophy in India; Surama Dasgupta
- Ethical Philosophies of India: I.C. Sharma
- Studies on the Purusarthas: P.K. Mahapatra (ed.)

## **Social Philosophy**

### **Unit I:**

The Nature, Scope & Problem of Social Philosophy; Relation with Sociology & Political Science.

### **Unit II:**

Meaning & Definition of Society; Theories of Society: Individualistic Theory, Idealistic Theory, Organic Theory of Society.

### **Unit III:**

Justice: Meaning & Definition of Justice, Dimension of Justice, Relation between Rights & Duties, Fundamental Rights of Man.

### **Unit IV:**

Democracy: Definition & Characteristics of Democracy, Merits & Demerits of Democracy, Definition & Characteristics of Socialism.

### **Suggested Books:**

Ajit Kumar Sinha: Outlines of Social Philosophy, Sinha Publishing House (P) Ltd., Calcutta, 1965.

Barbara Goodwin: Using Political Ideas, John Willey Sons, New York, 1991.

J.S.Makenzie: Samaj Darshan Ki Ruprekha, Rajkamal Parkashan, New Delhi, 1962.

Satyapal Gautam: Samaj Darshan, Haryana Sahitya Academy, Panchkula, 2004.

Shivbhanu Singh: Samaj Darshan Ka Sarvekshan, Sharda Pustak Bhandar, Allahabad, 2008.

Ramender,: Samaj Avam Rajniti Darshan, Motilal Banarsidass, Delhi, 2005.

Pandey, S.L.: Samaj Darshan ki ek Pranali.

Singh, Hari: Samaj Darshan ki Rooprekha.

## APPLIED PHILOSOPHY

### UNIT-I

1. Philosophy and value consciousness, culture specific values and culture neutrality of values
2. Fundamental human rights, social justice – philosophical perspectives and pre supposition
3. The problem of Abortion: conservative position, Liberal position, Feminist position;
4. Value of fetal life; fetus as potent life; Abortion and Infanticide.

### UNIT-II

1. Euthanasia, Types of Euthanasia, Voluntary, Non-Voluntary; Active, Passive
2. Environmental Ethics: Value Beyond Sentient Beings, Reverence for life, Deep Ecology
3. Ecological Ethics (Jaina, Bauddha and Vedic views)
4. What is Yoga? Four kinds of Yoga (Karma, Bhakthi, Jnana, Raja)

### UNIT-III

1. Metaphysics of Yoga – Sankhya concept of Prakriti and Purusa – Theory of evolution.
2. Astangayoga: Patanjali's definition of Yoga concept of Citta – Cittavrittis – Klesas.
3. Yoga for social, personal and spiritual development:
  - I. Social development: Yama
  - II. Personal development: Niyama
  - III. Yoga for the development of body and mind: Asana, Pranayama, Pratyahara.
  - IV. Spiritual development: Dharana, Dhyana, Samadhi (Samprajnata and asamprajnata)

### Suggested Readings:

1. Peter Singer: Practical Ethics.
2. Peter Singer (ed.): Applied Ethics:
3. I.K. Taimini: Science of Yoga
4. Vivekananda: Rajayoga
5. Karel Werner: Yoga and Indian Philosophy
6. D.C. Srivastava: Readings in Environmental Ethics, 2005
7. Ranjay P. Singh & Nitish Dubey: Darshanik Vimarsh, 2010
8. Shiv Bhanu Singh: Critique of Justice, 2010
9. Kanchan Saxena: Readings in Applied Ethics

## English -III

**Unit-1** Essay type answers in about 200 words. Four essay types question to be asked and two be attempted.

**Unit-2** Writing skills for composition- Essay writing.

**Unit-3** Précis writing.

**Unit-4** (a) reading comprehension of an unseen passages.

(b) Vocabularye based on text.

**Unit-5** Grammar: Advanced Exercises.

Note- Question on unit I and IV (b) shall be asked from the prescribed text. Which will comprise of popular creative writings and the following items.

Minimum needs: Housing and transport, Geo-economic profile of C.G. of education and culture, Women empowerment , Management of change (Physical quality of life) . War and human survival. The question of human social value, new Economic philosophy recent liberalization methods democratic decentralization (with reference to 73, 74 constitutional amendment.)