

COURSES OF STUDIES

FOR

THREE YEAR DEGREE COURSE

IN

ARTS HONOURS

PHILOSOPHY

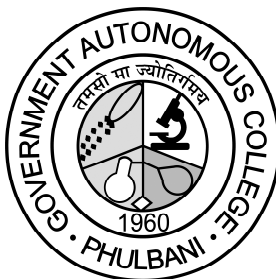
STUDENT COPY

Choice Based Credit System(CBCS)

First & Second Semester Examination – 2018-19

Third & Fourth Semester Examination – 2019-20

Fifth & Sixth Semester Examination – 2020-21



**GOVERNMENT AUTONOMOUS COLLEGE,
PHULBANI, KANDHAMAL**

SYLLABI FOR CBCS COURSE

Sem	CORE COURSE (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill based Enhancement Compulsory Course (SECC) (2)	Elective: Discipline Specific DSE (4)	Elective: Generic (GE) (4)
I	CORE-I	AECC-1			GE-1 (Minor-1)
	CORE-II				
II	CORE-III	AECC-2			GE-1 (Minor-2)
	CORE -IV				
III	CORE-V		SECC-1		GE-2 (Minor-1)
	CORE-VI				
	CORE-VII				
IV	CORE-VIII		SECC-2		GE-2 (Minor-2)
	CORE-IX				
	CORE-X				
V	CORE-XI			DSE-1	
	CORE-XII			DSE-2	
VI	CORE-XIII			DSE-3	
	CORE-XIV			DSE-4 (Project)	

SECC-1 : To be offered by English Department.

SECC-2 : To be offered by Mathematics Department.

GE : Minor-1 and Minor-2 is to be decided by the college Based on Subject.

QUESTION PATTERN FOR MID SEM

Mid Semester Examination	Full Marks	No. of Short Answer type Questions (2 marks each) (Compulsory)	No. of Long Answer type Questions (8 marks each)	No. of Long Answer type Questions (12 marks each)
Practical Subject	20	6	1	*
Non-Practical Subject	20	4	*	1

QUESTION PATTERN FOR END SEM

End Semester Examination	Full Marks	GROUP – A					GROUP - B									
		No. of Short Answer type Questions (2 marks each) (Compulsory)					No. of Long Answer type Questions (8 marks each)					No. of Long Answer type Questions (12 marks each)				
Units -->		I	II	III	IV	V	I	II	III	IV	V	I	II	III	IV	V
Non-Practical Subject	80	10					*	*	*	*	*	1	1	1	1	1
Practical Subject	50	5					1	1	1	1	1	*	*	*	*	*

- ❖ There is no alternative questions (choice) in Group-A questions (Short Answer type questions). All questions are compulsory.
- ❖ There is internal alternative questions (choice) in each number in Group-B questions (Long Answer type questions). Examinee has to answer one questions out of two alternative questions from each number.
- ❖ There is little deviation in question pattern of AECC (Eng Communication) & SECC-I & II. Details regarding question pattern of concerned subject is given at appropriate place.)
- ❖ The duration of Mid Sem exam of each paper is 1 hour irrespective of Full marks.
- ❖ The duration of End Sem exam of each paper is 3 hours for 80 marks/50 marks.

YEAR & SEMESTER-WISE PAPERS & CREDITS AT A GLANCE

Three-Year (6-Semester) CBCS Programme (B.Sc. Hons.) (Philosophy Hons.)				
Yr.	Sl.No.	Course Structure	Code	Credit Points
FIRST YEAR	SEMESTER-I			
	1	General Philosophy	C-1.1	6
	2	Symbolic Logic	C-1.2	6
	3	Anthropology(Anthropology-I)/English(Academic Writing and Composition)/History(History of India-I)/Political Science(Indian Polity-I)	GE-1.3	4+2/6
	4	MIL Communication – Odia / English Communication	AECC-1.4	6
	TOTAL -			24
	SEMESTER-II			
	5	Systems of Indian Philosophy	C-2.1	6
	6	Philosophy of Language	C-2.2	6
	7	Economics(Indian Economy–I)/Geography(Industrial Geography/Other related discipline)/Odia(Odia-I)	GE-2.3	6
	8	Environmental Studies	AECC-2.4	6
	TOTAL -			24
SECOND YEAR	SEMESTER-III			
	9	Ethics	C-3.1	6
	10	Modern European Philosophy	C-3.2	6
	11	Study of a Western Classic: Rene Descartes' <i>Meditations on First Philosophy</i>	C-3.3	6
	12	Anthropology(Anthropology-II)/English(Language, Literature and Culture)/History(History of India-II)/Political Science(Indian Polity-II)	GE-3.4	4+2/6
	13	Communicative English	SECC-3.5	6
	TOTAL -			30
	SEMESTER-IV			
	14	Study of the <i>Bhagavad-Gita</i>	C-4.1	6
	15	Contemporary Indian Philosophy	C-4.2	6
	16	Study of Major Religions of the World	C-4.3	6
	17	Economics(Indian Economy–II)/Geography(Disaster Management/ Other related discipline)/ Odia(Odia-II)	GE-4.4	6
	18	Quantitative and Logical Thinking	SECC-4.5	6
	TOTAL -			30
FINAL YEAR	SEMESTER-V			
	19	Social and Political Philosophy	C-5.1	6
	20	Study of an Indian Classic: The <i>Isa Upanishad</i>	C-5.2	6
	21	Philosophy of Science	DSE-5.3	6
	22	Applied Ethics	DSE-5.4	6
	TOTAL -			24
	SEMESTER-VI			
	23	Gandhian Study	C-6.1	6
	24	Philosophy of Social Ethics and Social Work	C-6.2	6
	25	Philosophy of Religion	DSE-6.3	6
	26	Project Report and Presentation OR Dissertation	DSE-6.4	6
	TOTAL -			24
GRAND TOTAL -				156

Notes:

- C- Core Course
- GE- Generic Elective Course
- DSE- Discipline Specific Elective Course
- AECC- Ability Enhancement Compulsory Course
- SECC- Skill based Enhancement Compulsory Course
- For a 6 credit course, the total teaching hours are: Minimum- 50 Hours, Maximum-65 Hours

SEMESTER-I

C-1.1 : GENERAL PHILOSOPHY

Full Marks - 100
Mid Sem – 20/1 hr
End Sem– 80/3 hr

UNIT-I:

Definition, Nature and Function of Philosophy; Its Relation with Other Modes of Thinking (Science and Religion)

UNIT-II:

Problem of Being: Monism, Dualism and Pluralism

UNIT-III:

Problem of Knowledge: Rationalism, Empiricism and Criticism

UNIT-IV:

Problem of Value: Fact and Value; Good and Evil; Beautiful and Ugly

UNIT-V:

Problems of Philosophy: The Problem of Substance: The Problem of Universals (Plato and Aristotle), Mind-Body relation

Basic Study Materials :

1. G.T.W. Patrick, *Introduction to Philosophy*
2. G.W. Cunningham, *Problems of Philosophy*
3. Bertrand Russell, *Problems of Philosophy*
4. Richard Taylor, *Metaphysics*
5. D.W. Hamlyn, *Metaphysics*

C-1.2 : SYMBOLIC LOGIC

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hr

UNIT-I:

Symbolic Logic: Meaning and Characteristics. Relation between symbolic logic and classical logic, Use of symbols and its advantages

UNIT-II:

Basic Truth Tables and Truth Functions: Contradictory Truth Function, Conjunctive Truth Function, Implicative Truth Function, Disjunctive, Alternative and Equivalence Truth Functions. Stroke Function

UNIT-III:

Testing the Validity of Arguments: Direct Truth Table Method and Indirect Truth Table Method

UNIT-IV:

Conjunctive Normal Form (CNF) and Derivation by Substitution

UNIT-V:

Boolean Algebra: Venn Diagram, Application of Boolean Method to Test the Validity of Classical Syllogistic Arguments

Basic Study Materials :

1. A.H. Basson and D.J. O'Conner, *An Introduction to Symbolic Logic*
2. M.R. Cohen and E. Nagel, *An Introduction to Logic and Scientific Method*

GE-1.3 : ANTHROPOLOGY-I

Full Marks-100
Mid Sem-20/1hr
End Sem Theory-50/3hr

UNIT- I

Anthropology – Nature of the subject, Historical development of the discipline, Sub-disciplines within Anthropology. Relation with other disciplines- History, Political Science, Sociology, Psychology, Economics, Biology, Geology.

UNIT- II

Aim and Scope of Social and Cultural Anthropology, Meaning and Definition of Family; Types, feature and function of Family, Meaning and Definition of Marriage; Types of Marriage, Rules of Marriage, Kinship, Kinship Behavior, Lineage, Clan, Descent.

UNIT- III

Concepts of society and culture; status and role; groups and institution,

UNIT- IV

Definition and Scope of Physical Anthropology, Branches of Physical Anthropology, Man's place in animal kingdom, Anatomical difference between Ape and Man. Major theories of Organic Evolution- Lamarckism, Darwinism, Neo-Darwinism.

UNIT- V

Definition and Scope of Archaeological Anthropology; Relationship with other disciplines, Concept of dating: Relative dating – (Study of Stratigraphy, Pollen Analysis, Palaeontology); Absolute dating – (Radiocarbon method, Potassium – Argon method; Thermoluminescence method); Stone Tool types and techniques of tool manufacture.

PRACTICAL

End Sem Practical – 30/3 hrs

1. **Somatometry**
 - a. Stature
 - b. Sitting height
 - c. Body weight
 - d. Maximum head length
 - e. Maximum head breadth
 - f. Head circumference
 - g. Minimum frontal breadth
 - h. Maximum bizygomatic breadth
 - i. Bigonial breadth
 - j. Nasal length
 - k. Nasal breadth
 - l. Nasal height
2. Typo-technological Analysis of Prehistoric Tools: Identification, Interpretation and Drawings of the tool Types
 - a. Core Tool Types
 - b. Flake Tool Types
 - c. Neolithic Tool Type

Suggested Readings :

1. Agarwal, D. P.1984, *Archaeology of India*. New Delhi: Select Book Services Syndicate.
2. Bhattacharya D.K. (1979). *Old Stone Age Tools and Techniques*. Calcutta, K.P. Bagchi Company
3. Bhattacharya, D. K.1990, *An Introduction to Prehistoric Archaeology*. Delhi; Hindustan Publishing Corporation
4. Bhattacharya, D. K.2001. *An Outline of Indian Prehistory*. Delhi: Palaka Prakashan.
5. Carter, J. and B.H. Heath. 1990. *Somatotyping – Development and Application*. Cambridge University Press, Cambridge.
6. Das, B.M. and R. Deka. 1998. *Physical Anthropology Practical*. Kitab Mahal, Allahabad.
7. Ember C. R. et al. (2011). *Anthropology*. New Delhi: Dorling Kindersley
8. Haviland, Prins, Walrath, McBride (2007). *Introduction to Anthropology*. Cengage Learning India Pvt. Ltd., New Delhi
9. Rammi Reddy, V.1987, *Elements of Prehistory*. New Delhi: Mittal Publications.
10. Sankalia H.D. (1964). *Stone Age Tools*. Poona Deccan College
11. Singh I.P. and M.K. Bhasin. 1989. *A Laboratory Manual on Biological Anthropology: Anthropometry*. Kamal-Raj Enterprises, Delhi.
12. Weiner J.S. and J.A. Lourie. 1981. *Practical Human Biology*. Academic Press, New York.

GE-1.3 : ACADEMIC WRITING AND COMPOSITION

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3hrs

UNIT-I : Instruments of Writing I

- Vocabulary development : synonyms and antonyms; words used as different parts of speech; vocabulary typical to 'science' and 'commerce'
- Collocation ; effective use of vocabulary in context

UNIT-II : Instruments of Writing II

- Syntax : word order; subject-predicate; subject-verb agreement; simple complex, compound, compound-complex sentences; structure and uses of active and passive sentences
- Common errors in Indian writing

UNIT-III : Academic Writing I

- What is academic writing?
- The formal academic writing process : the 'what' and the 'how' or writing; use of cohesive and transitional devices in short and extended pieces of writing

UNIT-IV : Academic Writing II

- Paragraph writing : topic sentence, appropriate paragraph development ; expository, descriptive, narrative and argumentative paragraphs
- Extended pieces of writing : process development using comparison-contrast, cause and effect, argumentation and persuasion

UNIT-V : Research writing : Writing research papers and projects

- Mechanics of research writing; principles of citation; summarizing and paraphrasing
- Identifying a potential research topic; preparing a synopsis; literature review; data collection and analysis; deriving conclusions from analysis

Pattern of Examination :

Mid-Semester Examination :

Using texts (500-600 words), students will be tested for

- Vocabulary : synonyms, antonyms, words used as different parts of speech = 10 marks
- Word order ; subject-predicate; subject-verb agreement = 10 marks

End-Semester Examination :

Using texts (600-700 words), students will be tested for

- Use of vocabulary in context 2 marks X 5 bits = 10 marks
- Use of grammar in context
- Use of cohesive and transitional devices in one paragraph 2 marks X 10 bits = 20 marks
- Writing two paragraphs (expository/descriptive/narrative/Argumentative) using topic sentences 10 marks X 2 qns = 20 marks
- Correcting in-text citation from given input 2 marks X 5 bits = 10 marks
- Preparing a correct version of Works Cited page from given input 2 marks X 5 bits = 10 marks

Suggested Readings:

1. K. Samantray, *Academic and Research Writing : A Course for Undergraduates*, Orient BlackSwan
2. Leo Jones (1998) *Cambridge Advanced English : Student's Book*, New Delhi : CUP
3. Stanley Fish (2011) *How to Write a Sentence*

GE-1.3 : HISTORY OF INDIA-I

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hrs

UNIT-I : Reconstructing Ancient Indian History

- (a) Meaning and relevance of History
- (b) Sources for the reconstruction of Ancient Indian History

UNIT-II : Pre-historic hunter-gatherers

- (a) Paleolithic cultures- sequence, distribution, technological developments
- (b) Mesolithic cultures- distribution, new development in technology

UNIT-III : Beginning of Agriculture

- (a) Neolithic and Chalcolithic Cultures;
- (b) Regional and Chronological distribution, subsistence and pattern of exchange

UNIT-IV : The Harappan civilization

- (a) Origin, Town planning, Social and Political organisation
- (b) Religious beliefs and practices, Arts, Decline

UNIT-V : Cultures in Transition

- (a) Early Vedic and Later Vedic Culture: Society, Economy, Political System, Religion and Philosophy
- (b) Tamilakam – Sangam Age

Suggested Readings :

1. R.S. Sharma, India's Ancient Past, New Delhi, OUP, 2007
2. R.S. Sharma, Material Culture and Social Formations in Ancient India, 1983.
3. D.P. Agrawal, The Archaeology of India, 1985.
4. A.L. Basham, The Wonder that Was India, 1971.
5. Upinder Singh, A History of Ancient and Early Medieval India, 2008.
6. Romila Thapar, Early India from the beginning to 1500, 2002.

GE-1.3 : INDIAN POLITY - I

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hrs

UNIT-I: Landmarks of Freedom Movement Preamble & salient features

UNIT-II: Fundamental Rights, Directive principles of state policy

UNIT-III: Union Government

President, Prime Minister, Council of Ministers, Union Parliament & Supreme Court of India

UNIT-IV: State Government

Governor, Chief Minister, Vidhan Sabha

UNIT-V: Local Government

Panchayati Raj & Urban local bodies

Suggested Readings :

1. Basu, D.D. (2012) *Introduction to the Constitution of India*, New Delhi: Lexis Nexis.
2. Kashyap, Subhash Chandra (2013) '*Our Political System*' New Delhi: National Book Trust
3. Laxmikanth, M (2015) '*Indian Polity*' New Delhi: Tata McGraw Hill
4. Raghunandan, J. R (2012) *Decentralization and local governments: The Indian Experience*, New Delhi: Orient Black Swan

AECC-1.4 : ଯୋଗାଯୋଗମୂଳକ ମାତୃଭାଷା- ଓଡ଼ିଆ

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3hrs

ଯୁନିଟ୍-୧ : ବିଜ୍ଞାପନ କଳା ଓ ସାହିତ୍ୟ / ବିଜ୍ଞାପନର ଆବଶ୍ୟକତା ଓ ଉପକାରିତା

ଯୁନିଟ୍-୨ : ଗନ୍ଧ- କୃଷ୍ଣଚୂଡ଼ା- ସୁରେନ୍ଦ୍ର ମହାନ୍ତି
ପାଟଦେଇ- ବୀଣାପାଣି ମହାନ୍ତି
ବୁଢ଼ାଶଙ୍ଖାରୀ- ଲକ୍ଷ୍ମୀକାନ୍ତ ମହାପାତ୍ର

ଯୁନିଟ୍-୩ : କବିତା- ଶ୍ରୀରାଧା- ରମାକାନ୍ତ ରଥ
ପ୍ରତିମା ନାୟକ- ସଚ୍ଚି ରାଉତରାୟ
ଦୁର୍ଯ୍ୟୋଧନ- ସୀତାକାନ୍ତ ମହାପାତ୍ର

ଯୁନିଟ୍-୪ : ପ୍ରବନ୍ଧ- ଗାଡ଼ି ଛାଡ଼ିଦେଲା – ଚନ୍ଦ୍ରଶେଖର ରଥ
ଆମେରିକାରେ ଲୋକଚରିତ୍ର – ଗୋଲୋକ ବିହାରୀ ଧଳ
ସ୍ବାଧୀନ ଚିନ୍ତା – ବିଶ୍ୱନାଥ କର

ଯୁନିଟ୍-୫ : କାରକ ଓ ବିଭକ୍ତି

ପୁସ୍ତକ :

୧. ଯୋଗାଯୋଗର ଭାଷା, ଫ୍ରେଣ୍ଡ୍‌ସ୍ ପ୍ରକାଶନ, କଟକ
୨. ଗନ୍ଧ, କବିତା ଓ ପ୍ରବନ୍ଧ – ସଂକଳିତ ପୁସ୍ତକ, କଲେଜ ଛକ, ଫୁଲବାଣୀ

AEEC-1.4 : ENGLISH COMMUNICATION

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3hrs

UNIT-I : Introduction

1. What is communication?
2. Types of communication
 - Horizontal
 - Vertical
 - Interpersonal
 - Grapevine

UNIT-II : Language of Communication

1. Verbal : spoken and written
2. Non-verbal
 - Proxemics
 - Kinesics
 - Haptics
 - Chronemics
 - Paralinguistics
3. Barriers to communication
4. Communicative English

UNIT-III : Reading Comprehension (Prose & Poetry)

- Locate and remember the most important points in the reading
- Interpret and evaluate events, ideas and information
- Read “between the lines” to understand underlying meanings
- Connect information to what they already know

UNIT-IV : Writing

- Expanding an Idea
- Note Making
- Information Transfer
- Writing a Memo
- Writing Formal Email
- Writing a Business Letter
- Letters to the Editor
- CV & Resume Writing
- Covering Letter
- Report Writing
- News Story
- Interviewing for newspaper

(The above mentioned writing activities are covered in the prescribed text book Vistas and Visions)

UNIT-V : Language functions in listening and conversation

1. Discussion on a given topic in pairs
2. Speaking on a given topic individually
3. Group Discussion
4. Interview
5. Dialogue

(Practice to be given using the set pieces from the prescribed textbook)

Grammar and Usage :

1. Phrasal verbs
2. Collocation
3. Using Modals
4. Use of Prepositions
5. Common Errors in English Usage

(The above mentioned grammar items are covered in the prescribed text book Vistas and Visions)

Book Prescribed :

1. *Vistas and Visions: An Anthology of Prose and Poetry.* (Ed.) Kalyani Samantray, Himansu S. Mohapatra, Jatindra K. Nayak, Gopa Ranjan Mishra, Arun Kumar Mohanty. OBS

Texts to be studied

Prose

1. Decoding Newspapers
2. The Gold Frame
3. Of Truth
4. Lifestyle English
5. A Cup of Tea

Poetry

1. Lines Composed a few miles above Tintern Abbey
2. Sonnet 46 (Shakespeare)
3. Pigeons
4. Miracles

All grammar and writing activities in the textbook *Vistas and Visions*

Pattern of Examination :

Each reading and writing question will invite a 200 words response.

Mid-Semester Examination :

Unit I : Preferably short questions on types of communication = 20 marks

End-Semester Examination :

Unit II : One long question with choice 1 mark X 10 qns = 10 marks

Two short notes with choice 2 marks X 5 qns = 10 marks

Unit III : Reading skills (2 qns from prose & 2 qns from poetry) 4 marks X 5 qns = 20 marks

Unit IV : Writing 2 marks X 10 qns = 20 marks

Unit V : Grammar & Usage 2 marks X 10 qns = 20 marks

Grammar questions must be set in contexts; not as isolated sentences as used for practice in the prescribed text book.

Suggested Readings:

1. *Fluency in English – Part II*, OUP, 2006
2. *Business English*, Pearson, 2008
3. *Communicative English* -E. Suresh Kumar and P. Sreehari
4. *Break Free : Unlock the Powerful Communicator in You*. Rajesh, V. Rupa, 2015
5. *Soft Skills* Shalini Verma, 2009
6. *Language, Literature and Creativity*, Orient BlackSwan, 2013
7. *Language through Literature*. (forthcoming) ed. Gauri Mishra, Dr. Ranajan Kaul, Dr. Brati Biswas

SEMESTER-II

C-2.1: SYSTEMS OF INDIAN PHILOSOPHY

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT-I:

Carvaka Materialism;

Jainism: *Syadvada*; and *Anekantavada*

UNIT-II:

Buddhism: The Noble Truths, Doctrine of Dependent Origination, Doctrine of Momentariness

UNIT-III:

Samkhya: *Purusa*, *Prakrti*,

Yoga: The eight-fold path of Yoga (Astanga Yoga)

UNIT-IV:

Nyaya: *Pramanas* (Perception and Inference)

Vaisesika: *Padarthas*

UNIT-V:

Samkara and Ramanuja: Brahman, Atman, and *Maya*

Basic Study Materials :

1. S.C. Chatterji and D.M. Datta, *An Introduction to Indian Philosophy*
2. C.D. Sharma, *A Critical Survey of Indian Philosophy*
3. M. Hiriyanna, *Outlines of Indian Philosophy*
4. R.K. Puligandla, *Fundamentals of Indian Philosophy*
5. S. Radhakrishnan, *Indian Philosophy*, Volumes I and II
6. J N Sinha: *Outlines of Indian Philosophy*

C-2.2: PHILOSOPHY OF LANGUAGE

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hr

UNIT-I:

Word Meaning: Meaning of the Word ‘Meaning’, Ambiguity and its Types; Vagueness

UNIT-II:

Definition: Defining and Accompanying Characteristics; Scope of Definition, Stipulative and Reportive Definition, Real and Persuasive Definition, Ostensive definition

UNIT-III:

Referential, Ideational, Behavioral, and Use Theory of Meaning

UNIT-IV:

Analytic and Synthetic; *A priori* and *A posteriori*; Synthetic-*A priori*; Logical Possibility and Impossibility

UNIT-V:

Truth: Correspondence, Coherence and Truth as What Works (Pragmatic), Knowledge: Sources (Sense experience & Reason)

Basic Study Materials :

1. John Hospers, *An Introduction to Philosophical Analysis*
2. W.P. Alston, *Philosophy of Language*

GE-2.3: INDIAN ECONOMY - I

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hrs

UNIT-I : Introduction to Indian Economy

British Rule: exploitation and under development in India; features of Indian economy – natural resources, infrastructure, population

UNIT-II : Population and Human Development

Demographic trends and issues; education; health and malnutrition

UNIT-III : National Income in India

National income: trends, sectoral composition;

UNIT-IV : Economic Planning in India& Recent Changes

Economic planning: Planning Commission and its functions, Planning exercises in India, Objectives, Strategies and achievements, NITI Ayog

UNIT-V : Current Challenges

Poverty: definition and estimate, poverty line, poverty alleviation programs; Inequality: income and regional inequality – causes and corrective measures; Unemployment: concepts, measurement, types, causes and remedies; Environmental challenges: Land, water and air

Suggested Books:

1. U. Kapila (2010): *Indian economy since Independence*. Academic Foundation, New Delhi
2. S. K. Misra and V. K. Puri (Latest Year): *Indian Economy — Its Development Experience*, Himalaya Publishing House, Mumbai
3. S. Chakraborty: *Development Planning: The Indian Experience*. Clarendon Press.
4. R. Dutt and K. P. M. Sundharam (Latest Year): *Indian Economy*, S. Chand & Company Ltd., New Delhi.
5. A. Panagariya (2008): *India: the Emerging Giant*, Oxford University Press, New York

6. S. Acharya and R. Mohan (Eds.) (2010): *India's Economy: Performance and Challenges*, Oxford University Press, New Delhi.
7. I. J. Ahluwalia and I. M. D. Little (Eds.) (1998): *India's Economic Reforms and Development: Essays for Manmohan Singh*, Oxford University Press, New Delhi.

GE-2.3 : INDUSTRIAL GEOGRAPHY/OTHER RELATED DISCIPLINE

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hrs

UNIT-I :

Nature, Scope and Subject Matter of Industrial Geography

UNIT-II :

Types, Geographical Characteristics and Location of Industries: Small and Medium Enterprises, Coal and Iron, Tertiary Industries, Rural based Industries

UNIT-III :

Mega Industrial Complexes: National Capital Region, Mumbai-Pune Industrial Region, Bengaluru-Tamil Nadu Industrial Region and Chota Nagpur Industrial Region

UNIT-IV :

Impact of Industrialisation in India: Environmental; Social and Economic

UNIT-V :

Industrial Policy of India

GE-2.3 : ଓଡ଼ିଆ (ପ୍ରଥମ ପତ୍ର)

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hrs

ୟୁନିଟ୍-୧ : କୃଦନ୍ତ, ତଦ୍ଭିତ, ସମୋଜାରିତ ଶବ୍ଦ, ଏକପଦୀକରଣ

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ୟୁନିଟ୍-୨ : କବିତା- ସମୁଦ୍ର କନ୍ୟା- ଭାନୁଜୀରାଓ

କୁରୁଜା ପାଇଁ ଗୋଟିଏ ସଙ୍ଗୀତ- ସୀତାକାନ୍ତ ମହାପାତ୍ର

ଜହ୍ନୁରାତି- ଦେବଦାସ ଛୋଟରାୟ

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ୟୁନିଟ୍-୩ : ପ୍ରବନ୍ଧ- ପ୍ରତିବେଶୀ- ଚନ୍ଦ୍ରଶେଖର ରଥ

ଓଡ଼ିଆ ଓ ଓଡ଼ିଶା- ଚିତ୍ରରଞ୍ଜନ ଦାସ

ସମାଜର ରୀତି ନୀତି ପରିବର୍ତ୍ତନ- ଫକୀର ମୋହନ ସେନାପତି

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ୟୁନିଟ୍-୪ : ଗଛ- ଡିମିରିଫୁଲ- ଅଶ୍ୱଳମୋହନ ପଟ୍ଟନାୟକ

ଲକ୍ଷ୍ମୀର ଅଭିସାର- ମନୋଜ ଦାସ

ମାଂସର ବିଳାପ- କାଳିନ୍ଦୀ ଚରଣ ପାଣିଗ୍ରାହୀ

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ୟୁନିଟ୍-୫ : ଅନୁବାଦର ସଂଜ୍ଞା, ସ୍ୱରୂପ ଓ ପ୍ରକାରଭେଦ

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ପୁସ୍ତକ :

୧. ସର୍ବସାର ବ୍ୟାକରଣ

୨. ବ୍ୟବହାରିକ ବ୍ୟାକରଣ

୩. ଗଛ, କବିତା ଓ ପ୍ରବନ୍ଧ - ସଂକଳିତ ପୁସ୍ତକ, କଲେଜ ଛକ, ଫୁଲବାଣୀ

AECC-2.4 : ENVIRONMENTAL STUDIES

Full Marks –100
Mid Sem – 20/1 hr
End Sem– 80/3hrs

UNIT-I :

Concept of environment : Ecology; Ecosystem; types and components of the ecosystem. Ecological adaptations of plants and animals

UNIT-II :

Functional aspects of ecosystem : Trophic level, food chain, food web, energy flow in the ecosystem, ecological pyramids, Biogeochemical cycles: Water cycle and Nitrogen cycle

UNIT-III :

Environmental Pollution : Source, causes and concept of air, water, noise, soil, pollution, Sewage & Sewage treatment, green house effect, Acid rain, Ozone layer depletion

UNIT-IV :

Conservation of Natural Resources : Resources, renewable & non renewable resources; soil, soil erosion and its conservation; Forest, deforestation; afforestation, conservation of Forest

UNIT-V :

Biodiversity and its Conservation : Introduction, Definition : genetic species and ecosystem diversity, value of biodiversity; consumptive use, productive use, social, ethical and aesthetic values, Biodiversity at global, national and local level, conservation of Biodiversity:- In situ and Ex-situ conservation, Bio-Geographic classification of India

Suggested Readings :

1. Shukla, R.S and Chandel, P.S : Plant Ecology and soil science, S. Chand & Company Ltd, New Delhi
2. Sharma, P.D. : Ecology and Environment, Rastogi Publication, Meerut.
3. Singh, J.S. Singh, S.P and Gupta, R.S (2006). Environmental Science, Kalyani Publishers, New Delhi

SEMESTER-III

C-3.1 : ETHICS

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hr

UNIT-I :

Definition, Nature and Scope of Ethics; Relation of Ethics to Politics and Sociology

UNIT-II :

Moral and Non-moral Actions; Factual and Moral Judgments, Stages of Voluntary Action, Objects Moral Judgment (Motive and Intention)

UNIT-III :

Teleological Ethics: Hedonism; Psychological and Ethical; Utilitarianism: Quantitative Utilitarianism (Bentham) and Qualitative Utilitarianism (J. S Mill)

UNIT-IV :

Rigorism- Categorical Imperative, Maxims of Morality and Postulates of Morality
Perfectionism—Self- Realization, Be a Person, Die to Live

UNIT-V :

Crime and punishment: Theories of punishment-Reformative Theory, Retributive Theory and Preventive Theory. Capital punishment and its justification

Basic Study Materials:

1. William Lillie, *Ethics*
2. J.N. Sinha, *Manual of Ethics*
3. Peter Singer, *Practical Ethics*
4. Jacques P. Thiroux, *Ethics: Theory and Practice*
5. K Om Narayan Rao & Hrudanda Behera: *An Introduction to Ethics*

C-3.2 : MODERN EUROPEAN PHILOSOPHY

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT-I :

Bacon: Theory of Idolas; Inductive Method.
Descartes : Cartesian Method; Mind-Body dualism.

UNIT-II :

Spinoza: Substance, Attribute and Modes
Leibnitz: Monads; Pre-established Harmony

UNIT-III :

Locke: Refutation of Innate Ideas; Theory of Knowledge; Idea of Substance

UNIT-IV :

Berkeley: Subjective Idealism, Esseeetpercipi
Hume: Skepticism; Theory of Causation.

UNIT-V :

Kant: Review of the Claims of Empiricism and Rationalism; Space and Time; Synthetic-A priori judgements

Basic Study Materials :

1. W.T. Stace, *A Critical History of Greek Philosophy*
2. Frank Thilly, *History of Philosophy*
3. Richard Falkenberg, *History of Modern Philosophy*
4. Frank Thilly, *History of Philosophy*
5. Y. Masih, *Critical History of Western Philosophy*
6. Ratnakar Pati, *History of Modern European Philosophy*

C-3.3 : STUDY OF A WESTERN CLASSIC : RENE DESCARTES' *MEDITATIONS ON FIRST PHILOSOPHY*

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT-I :

Meditation I: Sceptical Doubts, Meditation II: *cogito ergo sum* and *sum res cogitans*, The Wax Argument

UNIT-II :

Meditation III: Clear and Distinct Perceptions, Theory of Ideas, Existence of God

UNIT-III :

Meditation IV: God is no Deceiver, Will, Intellect and the Possibility of Error

UNIT-IV :

Meditation V: Essence of Material Things, Existence of God

UNIT-V :

Meditation VI: Mind-body Dualism, Primary and Secondary Qualities

Basic Study Materials :

1. Rene Descartes, *Meditations on First Philosophy* (Various editions)
2. Rae Langton, *A Study Guide to Descartes' Meditations*, http://ocw.mit.edu/courses/linguistics-and-philosophy/24-01-classics-in-western-philosophy-spring-2006/study-materials/descartes_guide.pdf
3. Amelie Rorty, *Essays on Descartes' Meditations*

GE-3.4 : ANTHROPOLOGY-II

Full Marks - 100

Mid Sem – 20/1 hr

End Sem Theory – 50/3 hrs

UNIT- I

Concept of tribes and its problematic nature, Characteristics of tribes, Classification and distribution of tribes based on their Economy, Occupation and Religion; Racial elements among the tribes in India, Particularly Vulnerable Tribal Groups (PVTGs).

UNIT- II

Concept of Race & UNESCO Statement on Race; A comparative account of various races of the world and India.

Primate origins with special reference to Australopithecines, Homo erectus, Homo sapiens (distribution, features and their Phylogenetic relationships)

UNIT- III : PREHISTORIC ARCHAEOLOGY OF INDIA:

Palaeolithic (Kashmir valley and Peninsular India), Mesolithic and Neolithic cultures in India (characteristic features, major tool types, important regions and sites, chronology with stratigraphic evidences)

UNIT- IV

Field work tradition in Anthropology; tools and techniques of data collection: Survey method, Observation, Questionnaire, Schedule, Interview, Case study, Life history and Genealogy

UNIT- V

Origin, history and development of Anthropology in India, Basic concepts- Great tradition and little tradition, Sanskritization and Westernization, Universalization and Parochialization, Dominant caste, , Nature-Man-Spirit complex.

PRACTICAL

End Sem Practical – 30/3 hrs

Methods and Techniques of Social Anthropology: The practical will include the following techniques and methods in collection of data in Social Anthropology.

1. Observation
2. Interview
3. Questionnaire and Schedule
4. Case study
5. Life history

References :

1. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). Introduction to Physical Anthropology Wadsworth Publ., USA
2. Haviland, Prins, Walrath, McBride (2007). Introduction to Anthropology. Cengage Learning India Pvt. Ltd., New Delhi
3. Haviland, Prins, Walrath, McBride (2008). Cultural Anthropology. Cengage Learning India Pvt. Ltd., New Delhi
4. Karen O'reilly. (2012). 'Practical Issues in Interviewing' *Ethnographic Methods*. Abingdon: Routledge
5. Agarwal, D. P. 1984, *Archaeology of India*. New Delhi: Select Book Services Syndicate.
6. Bhattacharya, D. K. 1990, *An Introduction to Prehistoric Archaeology*. Delhi; Hindustan Publishing Corporation
7. Bhattacharya, D. K. 2001. *An Outline of Indian Prehistory*. Delhi: PalakaPrakashan.
8. Vidarthy, L.P. and Rai. Applied Anthropology in India.
9. Vidarthy, L.P. and B.N. Sahay . Applied Anthropology and Development in India. New Delhi: National Publishing House

GE-3.4 : LANGUAGE, LITERATURE AND CULTURE

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3hrs

UNIT-I : Language

Nature of language

Functions of language : transactional, informative, interactional
(use these terms under each category above : Instrumental language, Regulatory Language, Interactional Language, Personal Language, imaginative Language, Heuristic Language, Informative Language)

UNIT-II : Language and Literature I

Literature and its language

Literary terms, Figures of speech used in literature : simile, metaphor, metonymy, irony, paradox, synecdoche, oxymoron

UNIT-III : Language and Literature II

Language used in poetry, fiction and non-fiction

Text analysis

UNIT-IV : Language and culture I

Culture, its implications and interpretations

Transmission of culture through language : Culture and society

UNIT-V : Language and Culture II

Intercultural and cross-cultural communications

Analysis and applications

Suggested Readings:

1. Kalyani Samantray, *Progamatics* (E-Pathsala)
2. Bibhudendra Narayan Patnaik & Kalyani Samantray, *Cross-Cultural and Inter-cultural Communications* (E-Pathsala)
3. Brown, G & Yule, G. *Discourse Analysis*. CUP
4. Scaglia, B (ed.) *Language, Understood : Examining and Linguistics of Discourse Analysis and Studies*. Webster's Digital Service.
5. Culture and language
6. Companion to Literary Forms by Padmaja Ashok, Orient BlackSwan. 2015
7. *Literature and Language* (ed.) Loveleen Mohan, Randep Rana, Jaibir S. Hood. Orient BlackSwann.

Pattern of Examination :

Mid-Semester Examination :

Unit I : 10 marks X 2 qns = 20 marks

End-Semester Examination :

Unit II : 1 long answer question + 1 short note/analysis (14+6) = 20 marks

Unit III : 1 long answer question + 1 short note/analysis (14+6) = 20 marks

Unit IV : 1 long answer question + 1 short note/analysis (14+6) = 20 marks

Unit V : 1 long answer question + 1 short note/analysis (14+6) = 20 marks

GE-3.4 : HISTORY OF INDIA-II

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hrs

UNIT-I : Economy and Society (300 BC to 300 AD) :

- (a) Urban growth: North India, Central India and the Deccan
- (b) Trade and Trade Routes, Coinage

UNIT-II : Changing Political Formations :

- (a) The Mauryan Empire – Expansion and administration
- (b) Kushanas – Kanishka I - achievements
- (c) Satavahanas – Gautamiputra Satakarni

UNIT-III : Towards Early Medieval India (4th century to 750AD) :

- (a) Decline of Trade, Currency, Urban Settlement
- (b) Pattern of Administration – Gupta and Vardhanas.

UNIT-IV : Religion, Philosophy (300 BC – 750 AD) :

- (a) Brahmanical tradition: Dharma, Varnashrama, Purushartha, Sanskara
- (b) Mahayana Buddhism.
- (c) Tantricism

UNIT-V : Cultural Developments :

- (a) A brief survey of literature – Sanskrit, Tamil Literature, Scientific and technical treatises
- (b) Art and Architecture : Mauryan – Stupa, Ashokan Pillar, Post Mouryan, Gandhara School of Art, Guptas – Evolution of temple Architecture

Suggested Readings :

1. B. D. Chattopadhyaya, *The Making of Early Medieval India*, 1994.
2. D. D. Kosambi, *An Introduction to the Study of Indian History*, 1975.
3. R.S. Sharma, *Urban Decay in India, C300-C1000*, Delhi, Munshiram Manohar Lal, 1987.
4. Romila Thapar, *Asoka and the Decline of the Mauryas*, 1997.
5. Susan Huntington, *The Art of Ancient India : Buddhist, Hindu and Jain*

GE-3.4 : INDIAN POLITY - II

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hrs

UNIT-I:

Union – State Relationship, Legislative, Administrative & Financial, Recent trends in Indian federation

UNIT-II: Constitutional Agencies

Election Commission, Electoral Reforms, Finance Commission

UNIT-III: National Integration

Problems & Prospects

UNIT-IV: Challenges to Democracy

Caste, Religion, Women empowerment

UNIT-V:

Political parties & Party system in India (National & Regional)

Suggested Readings :

1. Basu, D.D. (2012) *Introduction to the Constitution of India*, New Delhi: Lexis Nexis.
2. Laxmikanth, M (2015) '*Indian Polity*' New Delhi: Tata McGraw Hill
3. Paul R. Brass (1999) *The Politics of India Since Independence*, Cambridge University Press
4. Fadia, B.L. (2017) *Indian Government and Politics*, Sahitya Bhawan Publication

SECC-3.5 : COMMUNICATIVE ENGLISH

(Enriching Linguistic Knowledge & Communication Proficiency)

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3hrs

UNIT-I : BUSINESS COMMUNICATION AND GRAMMAR

Why English Communication is Essential and How to Improve the Skill?

Introduction to Voice and Accent, Why do we have such different accents?, Accent Training-Consequences, Voice and accent in the Enterprise Industry, Globally Comprehensible Accent, Introduction to Phonetics, International Phonetic Alphabet

Consonant Sounds

Vowels

Diphthongs

A Few Phonic Rules

Word Stress: Syllables

Intonation : Intonation and Stress

Pacing and Chunking : Common Patterns of Pacing, Importance of Chunking

Fluency

Indianisms : Errors relating to Grammar, Vocabulary

UNIT-II : GRAMMAR

English: Spoken Versus Written Communication

Nouns : Kinds of Nouns, Activity 3: Noun Ping-pong, Nouns-Number, Noun-Gender, Countable and Uncountable Nouns

Pronouns : Reflexive Pronouns, Relative Pronouns, Demonstrative Pronouns, Interrogative Pronouns, Indefinite pronouns, Activity 4: Sentence Auction

Adjectives : Activity 5 : Picture perfect, Positioning of adjectives, Comparative Degrees of Adjectives, Order of Adjectives

Adverbs : Kinds of Adverb, Degree of Comparison, Word Order with Adverbs, Activity 6: Relay Race

Prepositions : Activity 7: Treasure Hunt, Activity 8: Route Map, Prepositions with Adjectives, Nouns and Verbs

Conjunctions : Coordinating conjunctions, Subordinating Conjunctions, Correlative Conjunctions, Connecting Adverbs, Activity 9: The Socks Story

Verbs : Verb Classification, List of irregular verbs, Activity 10: Word Search

Subject and verb agreement, Activity 11: Tossed Word Salad, Activity 12: The Sentence Pageant

Determiners and Modifiers : Kinds of determiners, The Definite and the Indefinite Article, Definite Article: The, Activity 13: Proof Reading

Tenses : Reference Table, Present Tense, Activity 14: Instruction Manual, Activity 15: Commentary, Past Tense, Activity 16: The Chain List, Activity 17: Transcription, Future Tense, Activity 18: This Week for You, Activity 19: Verb Grand Prix

Punctuation : Forms of Punctuation

UNIT-III : READING COMPREHENSION

Reading – A 7 Step Process, Techniques to enhance students' reading skills, Types of reading skills, Skimming, Scanning, Extensive reading, Intensive reading, Three levels of Reading, Improving your reading speed, Reading Comprehension Practice Exercises

SEMESTER-IV

C-4.1: STUDY OF THE *BHAGAVAD GITA*

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT-I :

The *Bhagavadgita*: Conception of Yoga; Conceptions of Life and Death

UNIT-II :

The *Bhagavadgita*: *Karma* and *Karmaphala*; *Karma*, *Akarma*(*Niskam Karma*) and *Vikarma*

UNIT-III :

The *Bhagavadgita*: *Jnana* and *Vijnana*; *Ksara*, *Aksara* and *Uttama Purusa*

UNIT-IV :

The *Bhagavadgita*: *Bhakti Yoga*. Synthesis of three Yogas (*Karma*, *Jnana* and *Bhakti*)

UNIT-V :

Svadharmā, *Svabhava* and *Lokasangraha*

Basic Study Materials :

1. (Tr. & Ed.) S. Radhakrishnan, *The Bhagavadgita*
2. (Tr. & Ed.) V. Panoli, *Gita in Samkara's Own Words*, I & II
3. (Tr.) A.G.K. Warrior, *SrimadbhagavadgitaBhasya of Sri Samkaracharya*
4. P.N. Srinivasachari, *The Ethical Philosophy of the Gita*
5. K.M. Munshi and R.R. Diwakar, *Bhagavadgita and Modern Life*
6. S.C. Panigrahi, *Concept of Yoga in the Gita*

C-4.2 : CONTEMPORARY INDIAN PHILOSOPHY

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT -I :

Swami Vivekananda: Reality; Universal Religion, Practical Vedanta

UNIT -II :

R.N. Tagore: Reality; Nature of Religion; Nature of Man and Humanism

UNIT -III :

Sri Aurobindo: *Saccidananda*; Theory of Evolution (Creation); Integral Yoga

UNIT -IV :

M.K. Gandhi: God, Truth, Non-Violence, *Satyagraha*, *Sarvodaya*

UNIT -V :

S. Radhakrishnan: Education; Religious Experience; Intellect and Intuition

Basic Study Materials:

1. B.K. Lal, *Contemporary Indian Philosophy*
2. T.M.P. Mahadevan, *Contemporary Indian Philosophy*
3. Peter Singer, *Practical Ethics*
4. Jacques P. Thiroux, *Ethics: Theory and Practice*

C-4.3 : STUDY OF MAJOR RELIGIONS OF THE WORLD

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT-I :

Sanatana Dharma:

The Conception of Man (*amrtasyaputra*); His Pursuits (*dharma, artha, kama & moksa*); Ways of Conduct (*margas*): *jnana, karma & bhakti*

UNIT-II :

Buddhism:

Three Practices: *Sila, Samadhi & Prajna*; Four Noble Truths; Five Precepts; Eight-fold Path

UNIT-III :

Jainism:

Three Gems; Five Vows; The Jaina *Agamas*

UNIT-IV :

Christianity:

God as Trinity; Grace; Justice; Peace; Service; Salvation

UNIT-V :

Islam:

Conception of Man; Pursuits of Man: *Shahadah* (declaration of faith), *Salaah* (prayer), *Zakat* (charity), *Saum* (fasting) & *Hajj* (pilgrimage): Brotherhood and Equality of Mankind

Basic Study Materials :

1. Y. Masih, *A Comparative Study of Religions*
2. Lloyd Ridgeon, *Major World Religions*
3. A K Mohanty, *Comparative Religion*

GE-4.4: INDIAN ECONOMY - II

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hrs

UNIT-I : Agricultural Development in India

Indian Agriculture: nature, importance, trends in agricultural production and productivity, factors determining production, land reforms, new agricultural strategies and green revolution, rural credit; Agricultural marketing and warehousing.

UNIT-II : Industrial Development in India

Trends in industrial output and productivities; Industrial Policies of 1948, 1956, 1977 and 1991; Industrial Licensing Policies – MRTP Act, FERA and FEMA; Growth and problems of SSIs, Industrial sickness; Industrial finance; Industrial labour

UNIT-III : Tertiary Sector and HRD

Tertiary Sector: growth and contribution of service sector to GDP of India, share of services in employment; Human development – concept, evolution, measurement; HRD: indication, importance, education in India, Indian educational policy; Health and Nutrition.

UNIT-IV : Foreign Trade

Foreign Trade: role, composition and direction of India's foreign trade, trends of export and import in India, export promotion verses import substitution; Balance of Payments of India; India's Trade Policies;

UNIT-V : Capital Flows

Foreign Capital inflow & outflow-foreign assistance, foreign aid, international borrowing, foreign investment-FPI & FDI, MNCs

Suggested Books:

1. U. Kapila (2010): *Indian economy since Independence*. Academic Foundation, New Delhi
2. S. K. Misra and V. K. Puri (Latest Year): *Indian Economy — Its Development Experience*, Himalaya Publishing House, Mumbai
3. S. Chakraborty: *Development Planning: The Indian Experience*. Clarendon Press.
4. R. Dutt and K. P. M, Sundharam (Latest Year): *Indian Economy*, S. Chand & Company Ltd., New Delhi.
5. S. Acharya and R. Mohan (Eds.) (2010): *India's Economy: Performance and Challenges*, Oxford University Press, New Delhi.

6. A. Panagariya (2008): *India: The Emerging Giant*, Oxford University Press, New York
7. I. J. Ahluwalia and I. M. D. Little (Eds.) (1998): *India's Economic Reforms and Development: Essays for Manmohan Singh*, Oxford University Press, New Delhi.

GE-4.4 : DISASTER MANAGEMENT/OTHER RELATED DISCIPLINE

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hrs

UNIT-I :

Disasters: Definition and Concepts: Hazards, Disasters; Risk and Vulnerability; Classification

UNIT-II :

Disaster in India: (a) Flood: Causes, Impact, Distribution and Mapping; Landslide: Causes, Impact, Distribution and Mapping; Drought: Causes, Impact, Distribution and Mapping

UNIT-III :

Disaster in India: (b) Earthquake and Tsunami: Causes, Impact, Distribution and Mapping; Cyclone: Causes, Impact, Distribution and Mapping; Manmade disasters: Causes, Impact, Distribution and Mapping

UNIT-IV :

Response and Mitigation to Disasters: Mitigation and Preparedness, NDMA and NIDM; Indigenous Knowledge and Community-Based

UNIT-V :

Disaster Management; Do's and Don'ts During Disasters.

Suggested Readings :

1. Frampton C., Hardwick and McNaught, 1999: *Causes, Consequences and Management of Disasters*, Hodder and Stoughton, London.
2. Frank W. L., 1986: *The Violent Earth*, Croom Helm, London.
3. Goel S. L., 2001: *Encyclopaedia of Disaster Management*, Vol. 1, 2 and 3, Deep and Deep Publications, New Delhi.
4. Kapur A., 2010: *Vulnerable India: A Geographical Study of Disasters*, Sage Publication, New Delhi.
5. Keith S., 2002: *Environmental Hazards: Assessing Risk and Reducing Disaster*, Routledge, London.
6. Keller E. A. and Blodgett R. H., 2006: *Natural Hazards: Earth's Processes as Hazards, Disasters and Catastrophe*, Prentice Hall, New Jersey.
7. Singh R. B. (ed.), 2006: *Natural Hazards and Disaster Management: Vulnerability and Mitigation*, Rawat Publications, New Delhi.
8. UN and WMO, 2002: *Living with Risk: A Global Review of Disaster Reduction Initiatives, International Strategy for Disaster Reduction*, (ISDR), WMO and UN Publication.
9. Wisner B., Blaike P., Cannon T. et al., 1994: *At Risk: Natural Hazards, People's Vulnerability and Disasters*, Routledge, London.

GE-4.4 : ଓଡ଼ିଆ (ଦ୍ଵିତୀୟ ପଢ଼ା)

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hrs

ୟୁନିଟ୍-୧ : ପ୍ରବନ୍ଧ: ସୌନ୍ଦର୍ଯ୍ୟ ଓ ପ୍ରେମ- ଶଶିଭୂଷଣ ରାୟ
ଅଶ୍ରୁ- ନିତ୍ୟାନନ୍ଦ ମହାପାତ୍ର

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ୟୁନିଟ୍-୨ : କବିତା: ମୌସୁମୀ- ରାଧାମୋହନ ଗଡ଼ନାୟକ
ସମ୍ବାଦପତ୍ର- ସୀତାକାନ୍ତ ମହାପାତ୍ର

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ୟୁନିଟ୍-୩ : ଗଳ୍ପ: ଶିକାର- ଭଗବତୀଚରଣ ପାଣିଗ୍ରାହୀ
ଅନ୍ଧରାତିର ସୂର୍ଯ୍ୟ- ମହାପାତ୍ର ନୀଳମଣି ସାହୁ

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ୟୁନିଟ୍-୪ : ବ୍ୟାକରଣ: ସମୋଜ୍ଞାରିତ ଭିନ୍ନାର୍ଥବୋଧକ ଶବ୍ଦ
ବିପରୀତବୋଧକ ଶବ୍ଦ

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ଯୁନିଟ୍-୫ : ବ୍ୟାକରଣ: ପ୍ରତିଶବ୍ଦ ଓ ଉପସର୍ଗ

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ପୁସ୍ତକ :

୧. ଗଞ୍ଜ, କବିତା ଓ ପ୍ରବନ୍ଧ - ସଂକଳିତ ପୁସ୍ତକ, କଲେଜ ଛକ, ଫୁଲବାଣୀ

୨. ସର୍ବସାର ବ୍ୟାକରଣ

୩. ବ୍ୟବହାରିକ ବ୍ୟାକରଣ

GE-4.5: QUANTITATIVE AND LOGICAL THINKING

Full Marks – 100

Mid Sem – 20/1 hr

End Sem – 80/3 hrs

I. QUANTITATIVE APTITUDE & DATA INTERPRETATION

UNIT – I :

Whole numbers, Integers, Rational and irrational numbers, Fractions, Square roots and Cube roots, Surds and Indices, Problems on Numbers, Divisibility
Steps of Long Division Method for Finding Square Roots:

UNIT – II :

Basic concepts, Different formulae of Percentage, Profit and Loss, Discount, Simple interest, Ratio and Proportion, Mixture

UNIT – III :

Time and Work, Pipes and Cisterns, Basic concepts of Time, Distance and Speed; relationship among them

UNIT – IV :

Concept of Angles, Different Polygons like triangles, rectangle, square, right angled triangle, Pythagorean Theorem, Perimeter and Area of Triangles, Rectangles, Circles

UNIT – V :

Raw and Grouped Data, Bar Graphs, Pie charts, Mean, Median and Mode, Events and Sample Space, Probability

II. LOGICAL REASONING

UNIT – I :

Analogy basing on kinds of relationships, Simple Analogy; Pattern and Series of Numbers, Letters, Figures. Coding-Decoding of Numbers, Letters, Symbols (Figures), Blood relations

UNIT – II :

Logical Statements– Two premise argument, More than two premise argument using connectives

UNIT – III :

Venn Diagrams, Mirror Images, Problems on Cubes and Dices

SEMESTER-V

C-5.1 : SOCIAL AND POLITICAL PHILOSOPHY

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT-I :

What is Social philosophy?

Social Science and Social Laws; Philosophy of Social Science

UNIT-II :

The Explanation of Human Action; Reasons and Causes
Socialism, Marxism and Humanism

UNIT-III :

Political ideals: Liberty, Equality and Justice.

UNIT-IV :

Democratic Ideals; Democratic Government; Human Rights

UNIT-V :

Power and Authority; Grounds of Political Obligation

Basic Study Materials :

1. Scott Gordon, *The History and Philosophy of Social Science*, Chapters 1, 3, 4, 14,15 and 17
2. Alexander Rosenberg, *Philosophy of Social Science*, Chapters 1 and 2
3. D.D. Raphael, *Problems of Political Philosophy*

**C-5.2 : STUDY OF AN INDIAN CLASSIC : THE ISA UPANISHAD WITH
SAMKARA'S COMMENTARY**

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hr

UNIT-I :

The Central Theme of Upanishads, Brahman, Atman

UNIT-II :

Mantras 1 to 4

UNIT-III :

Mantras 5 to 9

UNIT-IV :

Mantras 10 to 14

UNIT-V :

Mantras 15 to 18

Basic Study Materials :

1. The *Isa Upanisad* with Samkara's Commentary (Various editions)
2. S. Radhakrishnan, *The Principal Upanisads*
3. Satyabadi Mishra, *Central Philosophy of the Upanisads*
4. Basant Ku Dash: *Philosophy of Isopanishad & The Gita*
5. Gayadhar Dash: *The Philosophy of Upanishads*
6. D M Praharaj: *Glimpse of Vedic and Upanishadic Philosophy*

DSE-5.3 : PHILOSOPHY OF SCIENCE

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hr

UNIT-I :

Science and Philosophy of Science, Types of Science, Scientific and Unscientific Generalization

UNIT-II :

Grounds of Scientific Generalization:

The law of Causation, The Law of Uniformity of Nature; Observation and Experiment

UNIT-III :

Hypothesis: Conditions of Valid Hypothesis, Proofs of Hypothesis

Hypothesis, Theory and Law

UNIT-IV :

Scientific explanation: Nature, objective and limits of Scientific explanation;

Scientific Method and its various steps

UNIT-V :

Scientific Temper and Social Progress; Scientific Enquiry; Success and limitations of Science

Basic Study Materials :

1. Gower Barry, *Scientific Method: An Historical and Philosophical Method*
2. M.R. Cohen and E. Nagel, *An Introduction to Logic and Scientific Method*

3. Sundar Sarukkai, *What is Science*
4. Alex Rosenberg, *Philosophy of Science: A Contemporary Introduction*

DSE-5.4 : APPLIED ETHICS

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hr

UNIT-I :

Applied Ethics: Nature and scope; Environmental Ethics: Use and Exploitation of Nature; Animal Killing and Animal Rights

UNIT-II :

Business Ethics: Rights and Obligations in Business; Justice, Truth Telling and Honesty in Business; CSR (Corporate Social Responsibility): Objective and Moral implications

UNIT-III :

Bio-medical Ethics: Rights and Obligations of Health Care Professionals, Patient and his family

UNIT-IV :

Abortion; Euthanasia, Eco-Feminism

UNIT-V :

Media Ethics (Print and Electronic); Ethical Issues in Social Media; Ethical issues raised by HIV/AIDS

SEMESTER-VI

C-6.1 : GANDHIAN STUDY

Full Marks - 100
Mid Sem – 20/1 hr
End Sem – 80/3 hr

UNIT-I :

Political Thought of Gandhi: Gandhi's Concept of Politics - goals and methods of action; Concept and claim of spiritualizing politics

UNIT-II :

Economic Thought of Gandhi: Gandhi's ideas and efforts in the field of economics; Gandhi's critique of Industrialism - Evils and Consequences; Philosophy of Work: Employment – *Yajna*, Need Vs Greed (and Wants)

UNIT-III :

Social Thought of Gandhi and Social Work: Philosophy and Sociology of *Sarvodaya*; Concept of *Gramswaraj*, *Varanshram* system and its distinction from caste system; Eradication of social evils with special reference to Gandhi's drive against alcoholism/drug addiction; Untouchability and the method of struggle against it.

UNIT-IV :

Education - meaning and aims of education; Gandhi's experiment in education at *Satyagraha Ashram*, Ahmedabad; at Sevagram *Ashram*; Basic Education; Duties of students, parents and teachers in education and their Interrelationship; Sex education; Formal, non-formal and informal education

UNIT-V :

Gandhi's Idea of Peace: Meaning of Peace and Violence; Peace and Disarmament; Non-violent way to world peace; Combating terrorism through non-violence; Gandhian Approach to Conflict Resolution - *Shanti Sena*

Basic Study Materials :

1. Mahatma Gandhi, *Autobiography*
2. Mahatma Gandhi, *Hind Swaraj*
3. Mahatma Gandhi, *Towards Non-violent Socialism*
4. Mahatma Gandhi, *Towards New Education*, http://www.mkgandhi.org/ebks/new_edu.pdf

C-6.2 : PHILOSOPHY OF SOCIAL ETHICS AND SOCIAL WORK

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT-I :

Social ethics: Meaning and objective, Relation between social ethics and social work, Good life and Good living

UNIT-II :

Ethical practices in social institutions: Ethics in conjugal life, Ethics in family life (Joint family and nuclear family), Value Education

UNIT-III :

Ethical Practices in Tribal Community, Social work: Meaning, Nature, Principle and Methods of Social work

UNIT-IV :

Philosophy of Social work,
Types of Social work: Case work, Group work and community organization

UNIT-V :

Social work and Social development, Social work and Social justice,
Social security and its moral implications

Basic Study Materials :

1. Sarah Bank, *Ethics and Values in Social Work*.
2. Frederic G. Reamer, *Social Work Values and Ethics*.
3. Roger G. Betsworth, *Social Ethics*.

DSE-6.3 : PHILOSOPHY OF RELIGION

Full Marks - 100

Mid Sem – 20/1 hr

End Sem – 80/3 hr

UNIT-I :

Meaning, Nature and Scope of Philosophy of Religion
The Judaic concept of God: Monotheism, Infinite, Self-existence, Personal, Loving, Good, Holy

UNIT-II :

Arguments for God's existence: The ontological argument, The cosmological argument, The teleological argument, The moral argument

UNIT-III :

Argument against God's existence: The sociological theory of religion, The Freudian theory of religion, The challenge of modern science.

UNIT-IV:

The problem of Evil: The Augustinian Theodicy, The Irenaean Theodicy, The Process Theodicy.

UNIT-V :

Karma and Rebirth: The popular concept, The Vedantic concept, A demythologised interpretation.

Basic Study Materials :

1. John Hicks, *Philosophy of Religion*.
2. Y. Masih, *A Comparative Study of Religions*.
3. Y. Masih, *Philosophy of Religion*.

DSE-6.4 : PROJECT REPORT AND PRESENTATION OR DISSERTATION

Full Marks-100

End Sem Project – 100

Topics to be announced by the HOD.

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