



# UNIVERSITY OF CALCUTTA

## Notification No. CSR/ 12 /18

It is notified for information of all concerned that the Syndicate in its meeting held on 28.05.2018 (vide Item No.14) approved the Syllabi of different subjects in Undergraduate Honours / General / Major courses of studies (CBCS) under this University, as laid down in the accompanying pamphlet:

### List of the subjects

Sl. No.	Subject	Sl. No.	Subject
1	Anthropology (Honours / General)	29	Mathematics (Honours / General)
2	Arabic (Honours / General)	30	Microbiology (Honours / General)
3	Persian (Honours / General)	31	Mol. Biology (General)
4	Bengali (Honours / General /LCC2 /AECC1)	32	Philosophy (Honours / General)
5	Bio-Chemistry (Honours / General)	33	Physical Education (General)
6	Botany (Honours / General)	34	Physics (Honours / General)
7	Chemistry (Honours / General)	35	Physiology (Honours / General)
8	Computer Science (Honours / General)	36	Political Science (Honours / General)
9	Defence Studies (General)	37	Psychology (Honours / General)
10	Economics (Honours / General)	38	Sanskrit (Honours / General)
11	Education (Honours / General)	39	Social Science (General)
12	Electronics (Honours / General)	40	Sociology (Honours / General)
13	English ((Honours / General/ LCC1/ LCC2/AECC1)	41	Statistics (Honours / General)
14	Environmental Science (Honours / General)	42	Urdu (Honours / General /LCC2 /AECC1)
15	Environmental Studies (AECC2)	43	Women Studies (General)
16	Film Studies ( General)	44	Zoology (Honours / General)
17	Food Nutrition (Honours / General)	45	Industrial Fish and Fisheries – IFFV (Major)
18	French (General)	46	Sericulture – SRTV (Major)
19	Geography (Honours / General)	47	Computer Applications – CMAV (Major)
20	Geology (Honours / General)	48	Tourism and Travel Management – TTMV (Major)
21	Hindi (Honours / General /LCC2 /AECC1)	49	Advertising Sales Promotion and Sales Management –ASPV (Major)
22	History (Honours / General)	50	Communicative English –CMEV (Major)
23	Islamic History Culture (Honours / General)	51	Clinical Nutrition and Dietetics CNDV (Major)
24	Home Science Extension Education (General)	52	Bachelor of Business Administration (BBA) (Honours)
25	House Hold Art (General)	53	Bachelor of Fashion and Apparel Design – (B.F.A.D.) (Honours)
26	Human Development (Honours / General)	54	Bachelor of Fine Art (B.F.A.) (Honours)
27	Human Rights (General)	55	B. Music (Honours / General) and Music (General)
28	Journalism and Mass Communication (Honours / General)		

The above shall be effective from the academic session 2018-2019.

SENATE HOUSE  
KOLKATA-700073  
The 4<sup>th</sup> June, 2018

*Paul*  
4/6/18  
(Dr. Santanu Paul)  
Deputy Registrar

### Semester-wise Course for B.A. (Honours)

	Sem-1	Sem-2	Sem-3	Sem-4	Sem-5	Sem-6
<b>Core Course (CC)</b>	2TH+2TU CC-1&2	2TH+2TU CC-3&4	3TH+3TU CC-5,6&7	3TH+3TU CC-8,9&10	2TH+2TU CC-11&12	2TH+2TU CC-13&14
<b>Generic Elective (GE)</b>	1TH+1TU GE-1	1TH+1TU GE-2	1TH+1TU GE-3	1TH+1TU GE-4		
<b>Discipline Specific Elective (DSE)</b>					2TH+2TU DSE-A(1) B(1)	2TH+2TU DSE-A(2) B(2)
<b>Ability Enhancement Compulsory Course (AECC)</b>	1TH+0TU AECC-1	1TH+0TU AECC-2				
<b>Skill Enhancement Course (SEC)</b>			1TH+0TU SEC-A(1)	1TH+0TU SEC-B(2)		
<b>Total No. of Courses and Marks</b>	4 x 100 = 400	4 x 100 = 400	5 x 100 = 500	5 x 100 = 500	4 x 100 = 400	4 x 100 = 400
<b>Total Credits</b>	20	20	26	26	24	24

TH = Theory T = Tutorial

- ❖ CC/GE/DSE : Each theory and Tutorial Course have 5 and 1 Credit(s) respectively
- ❖ GE : Covering two subjects with two courses each; any subject in any semester; CC of a different subject in general course is to be treated as GE for Honours Course
- ❖ DSE/SEC : Group (A&B) for specified semesters
- ❖ AECC/SEC : Each Course has 2 Credits
- ❖ AECC-1 : Communicative English / MIL; AECC-2 : Environmental Studies



## University of Calcutta

### BA (Honours)-CBCS Syllabus in Philosophy, 2018

- A. Core Courses [Fourteen courses; Each course: 6 credits (5 theoretical segment+ 1 for tutorial-related segment). Total: 84 credits (Th 5×15weeks=75 ; Tutorial 1×15 weeks= 15)]
- B. Discipline Specific Elective[Four courses; Each course: 6 credits (5 theoretical segment+ 1 for tutorial-related segment). Total: 24 credits(Th 5×15weeks=75 ; Tutorial 1×15 weeks= 15)]
- C. Generic Elective [Four courses; Each course: 6 credits (5 theoretical segment+ 1 for tutorial-related segment). Total: 24 credits (Th 5×15weeks=75 ; Tutorial 1×15 weeks= 15)]
- D. Skill Enhancement [Two courses; Each course: 2 credits (No Tutorial segment). Total: 04 credits (2×15weeks =30)]

Core courses of 'General Syllabus' will be treated as Generic Elective of 'Honours Syllabus'.

- Each course (CC & DSE )carries 80 marks and Minimum 80 classes.
- 65 marks for theoretical segment: 55 marks for descriptive questions + 10 marks for 1 mark questions.
- Skill Enhancement course carries 80 marks and minimum 50 classes: 80 marks for theoretical segment, there is no tutorial segment.
- Question Pattern for descriptive segment of 55 marks: 5 short questions out of 8 (5x5 = 25) + 2 questions out of 4(15 x 2 = 30).
- 15 marks for tutorial [The topics (within the syllabus) are to be decided by the concerned faculty of respective colleges.]

#### IMPORTANT NOTES:

- Cited advanced texts in Bengali are not necessarily substitutes, but supplementary to the English books.
- The format is subject to the common structural CBCS format of the University.

- The Skill enhancement course, based on the UGC Guidelines, have the common goal of developing specific skills of students of the discipline for better employment opportunities.

### **Core Course**

#### **Semester 1**

PHI-A-CC-1 Indian philosophy - I

PHI-A-CC-2 History of western Philosophy - I

#### **Semester 2**

PHI-A-CC-3 Indian philosophy - II

PHI-A-CC-4 History of Western Philosophy- II

#### **Semester 3**

PHI-A-CC- 5 Philosophy of Mind

PHI-A-CC-6 Social and Political philosophy

PHI-A-CC-7 Philosophy of Religion

#### **Semester 4**

PHI-A-CC-8 Western Logic – I

PHI-A-CC-9 Western Logic – II

PHI-A-CC-10 Epistemology and Metaphysics (Western)

#### **Semester 5**

PHI-A-CC-11 Indian Logic and Epistemology – I

PHI-A-CC-12 Ethics (Indian)

#### **Semester 6**

PHI-A-CC-13 Indian Logic and Epistemology – II

PHI-A-CC-14 Ethics (Western Ethics)

### **Discipline Specific Elective :**

#### **Semester 5**

**PHI-A-DSE-A(1)**( Any one from the following options)

- Western logic – I
- Normative and Meta Ethics
- Philosophy of language (Indian)

#### **PHI-A-DSE-B(1)**

(Any one text from the following texts)

- An Enquiry Concerning Human Understanding – D. Hume
- The Problems of Philosophy – B. Russell
- Vedāntasāra- Sadananda Yogindra Saraswati
- Śrimadbhagavadgīta

## **Semester 6**

**PHI-A-DSE-A(2)**( Any one from the following options)

- a) Western Logic -II
- b) Applied Ethics
- c) Philosophy of Language (Western)

**PHI-A-DSE-B(2)**

(Any one philosophical system from four philosophical systems of contemporary Indian thought)

- a) Swami Vivekananda
- b) Rabindranath Tagore
- c) Sri Aurobindo
- d) M.K. Gandhi

## **Skill Enhancement Elective Course :**

### **Semester 3**

**PHI-A-SEC-A** (Any one from the following options)

- a) Logical Reasoning and Application: Indian and Western
- b) Man and Environment

### **Semester 4**

**PHI-A-SEC-B**( Any one from the following options)

- a) Emerging Trends of Thought
- b) Philosophy of Human Rights

## **SEMESTER-I**

### **Core Course**

**PHI-A-CC-1**

**Indian Philosophy – I (6 Credits per week)**

- a) Introduction: Division of Indian Philosophical Schools: Āstika and Nāstika.
- b) Cārvāka School—Epistemology, Metaphysics, Ethics.
- c) Jainism—Concept of Sat, Dravya, Paryāya, Guṇa. Anekāntavāda, Syādvāda and Saptabhaṅginaya.
- d) Buddhism— Four noble Truths, Theory of Dependent Origination (Pratītyasamutpāda), Definition of Reality (Arthakriyākāritvamsattvam), Doctrine of Momentariness, (Kṣanabhaṅgavāda), Theory of no-soul (Nairātmyavāda), Four Schools of Buddhism (Basic tenets).
- e) Nyāya –Pramā and Pramāṇa, Pratyakṣa (Definition), Sannikarṣa, Classification of Pratyakṣa: Nirvikalpaka, Savikalpaka, Laukika, Alaukika.
- f) Anumiti, Anumāna (Definition), vyāpti, parāmarśa, Classification of Anumāna: pūrvavat, śesavat, smānyatodṛṣṭa, kevalānvayī, kevalavyātirekī, anvayavyātirekī, svārthānumāna, parārthānumāna, Upamāna (definition), Śabda (definition).
- g) Vaiśeṣika—Seven Padārthas, dravya, guṇa, karma, sāmānya, viśeṣa, samavāya, abhāva.

### **Suggested Readings:**

#### **English:**

- Outlines of Indian Philosophy: M. Hiriyanna
- A Critical Survey of Indian Philosophy: C.D. Sharma
- An Introduction to Indian Philosophy: D. M. Dutta & S.C. Chatterjee
- Classical Indian Philosophy: J.N. Mohanty
- History of Indian Philosophy: S.N. Dasgupta
- Indian Philosophy (Vol. I & II): S. Radhakrishnan
- Indian Philosophy (Vol. I & II): J.N. Sinha
- Studies on the Carvaka/Lokayata: Ramakrishna Bhattacharya
- The Central Philosophy of Buddhism: T.R.V. Murti
- Yogacara Idealism: A.K. Chatterjee
- An Introduction to Madhyamika Philosophy: Jaydev Singh
- Reflections on Indian Philosophy: K.P. Sinha
- Philosophy of Jainism: K.P. Sinha
- Nyaya Theory of Knowledge: S.C. Chatterjee
- Six Ways of Knowing: D.M. Dutta
- Nyaya-Vaisesika Metaphysics: Sadananda Bhaduri

#### **Bengali:**

- Bharatiya Darshan: Debabrata Sen
- Bharatiya Darshan: Nirodbaran Chakraborty
- Sayan Madhaviya Sarva Darshan Samgraha: Satyajyoti Chakraborti
- Lokayata Darshan: Debiprasad Chattopadhyay

- Carvakacarca: Ramakrisna Bhattacharya
- Carvaka Darshan: Panchanan Sastri
- Carvaka Darshan: Amit Kumar Bhattacharya
- Bauddha Dharma O Darshan: Swami Vidyananya
- Bauddha Darshan: Panchanan Sastri
- Gautama Buddher Darshan o Dharma: Sukomol Choudhury
- Bauddha Darshan: Amit Kumar Bhattacharya
- Ksanabhangavada: Bidhubhusan Bhattacharya
- Jainadarshaner Digdarshan: Satindra Chandra Bhattacharya
- Nyaya Darshan: Phanibhushan Tarkavagisha
- Nyaya Paricaya: Phanibhushan Tarkavagisha
- Nyaya-Vaisesika Darshan: Karuna Bhattacharya
- Nyaya Tattva Parikrama: Kalikrishna Bandyopadhyaya

### **Core Course**

#### **PHI-A-CC-2 History of Western Philosophy – I (6 Credits per week)**

- a) Pre Socratic Philosophy: Thales, Heraclitus, Parmenides, Empedocles, Anaxagoras, Democritus, Protagoras.
- b) Plato: Theory of Knowledge, Theory of Forms.
- c) Aristotle : Critique of Plato's theory of Forms, Doctrine of four causes, Form and Matter.
- d) St. Thomas Aquinas: Faith and Reason, Essence and Existence.
- e) Descartes: Cartesian method of doubt, Cogito ergo sum, Criterion of truth, Types of ideas, Proofs for the existence of God, Mind- body dualism , Proofs for the existence of the external world.
- f) Spinoza: Doctrine of substance, Attributes and Modes, Existence of God, Pantheism ,Three orders of knowing.
- g) 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.

### **Suggested Readings:**

#### **English:**

- The Greek Philosophers from Thales to Aristotle: W. K. C. Guthrie
- A History of Western Thought : G. Skirbekk & N. Gilje
- A Critical History of Greek Philosophy: W.T. Stace
- Encyclopedia of Philosophy: P. Edwards (ed.)
- A History of Philosophy: F. Copleston, vols. I, II, 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
- The Fundamental Questions of Philosophy: A.C. Ewing
- A Brief History of Western Philosophy: A. Kenny
- The Works of Descartes: Haldane & Ross (eds.)
- Descartes: The Project of Pure Enquiry: B. Williams
- Descartes: A. Kenny
- Spinoza: Leon Roth
- Leibniz: An Introduction to His Philosophy: N. Rescher
- The Rationalists: J. Cottingham

### **Bengali:**

- Paschatya Darshaner Itihas: Tarak Candra Roy (pratham o dvitiya khanda)
- Paschatya Darshaner Itihas: Kalyan Chandra Gupta
- Paschatya Darshaner Itihas: Susanta Chakraborty
- Paschatya Darshaner Itihas: Samarendra Bhattacharya (pratham o dvitiya khanda)
- Paschatya Darshaner Itihas (Plato o Aristotle): N.B. Chakraborty
- Paschatya Darshaner Itihas (Plato o Aristotle): Debabrata Sen
- Paschatya Darshaner Itihas (Adhunik Yuga-Yuktivada (Descartes), Spinoza, Leibniz): Chandrodaya Bhattacharya

## **SEMESTER 2**

### **Core course**

#### **PHI-A-CC-3 Outlines of Indian Philosophy – II (6 Credits per week)**

- a) Sāmkhya—Satkāryavāda, Nature of Prakṛti, its constituents and proofs for its existence. Nature of Puruṣa and proofs for its existence, plurality of puruṣas, theory of evolution.
- b) Yoga—Citta, Cittavṛtti, Cittabhūmi. Eight fold path of Yoga, God.
- c) Mīmāṃsā (Prābhakara and Bhāṭṭa) : Anvitāvidhānvāda and Abhihitānvayavāda, Arthāpatti and Anupalabdhi as sources of knowledge
- d) Advaita Vedānta—Sankara's view of Brahman, Saguṇa and Nirguṇa Brahman, Three grades of Sattā: prātibhāsika, vyavahārika and pāramārthika, Jīva, Jagat and Māyā.
- e) Viśistādvaita—Rāmānuja's view of Brahman, Jīva, Jagat. Refutation of the doctrine of Māyā.

### **Suggested Readings:**



**English:**

- Outlines of Indian Philosophy: M. Hiriyanna
- A Critical Survey of Indian Philosophy: C.D. Sharma
- An Introduction to Indian Philosophy: D. M. Dutta & S.C. Chatterjee
- Classical Indian Philosophy: J.N. Mohanty
- History of Indian Philosophy: S.N. Dasgupta
- Indian Philosophy (Vol. I & II): S. Radhakrishnan
- Indian Philosophy (Vol. I & II): J.N. Sinha
- Six Ways of Knowing: D.M. Dutta
- The Doctrine of Maya: A.K. Roychoudhuri
- Self and Falsity in Advaita Vedanta: A.K. Roychoudhuri
- The Word and the world: Bimal Krishna Matilal
- Logic, Language and Reality: Bimal Krishna Matilal

**Bengali:**

- Bharatiya Darshan: Debabrata Sen
- Bharatiya Darshan: Nirodbaran Chakraborty
- Sayan Madhaviya Sarva Darshan Samgraha: Satyajyoti Chakraborti
- Samkhya Darshan: Bhupendranath Bhattacharya
- Samkhya Darshaner Vivarana: Bidhubhushan Bhattacharya
- Samkhyamata Samiksa: Yogendranath Bagchi
- Samkhya Tattva Kaumudi: Narayan Chandra Goswami
- Samkhya-Patanjal Darshan: Kanakprabha Bandyopadhyaya
- Patanjali Darshan: Purnachandra Vedantachanchu
- Purva Mimamsa Darshan: Sukhamoy Bhattacharya
- Vedanta Darshan: Roma Choudhury
- Vedanta Darshan: Advaitavada: Ashutosh Sastri
- Mayavada: Pramatha Nath Tarkabhushan
- Vedanta Darshan: Swami Vidyananya

**Core Course****PHI-A-CC-4 History of Western Philosophy – II (6 Credits per week)**

- 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.

- d) Kant : Conception of Critical Philosophy, Distinction between A priori and A posteriori Judgements, Distinction between Analytic and Synthetic Judgements. Synthetic A priori Judgements, General problem of the Critique, Copernican Revolution in Philosophy ;Transcendental Aesthetic : Space & Time—Metaphysical & Transcendental expositions of the Ideas of Space & Time.

### **Suggested Readings:**

#### **English:**

- The Greek Philosophers from Thales to Aristotle: W. K. C. Guthrie
- A Critical History of Greek Philosophy: W.T. Stace
- Encyclopedia of Philosophy: P. Edwards (ed.)
- A History of Philosophy: F. Copleston, vols. I, II, 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
- The Fundamental Questions of Philosophy: A.C. Ewing
- A Brief History of Western Philosophy: A. Kenny
- An Essay Concerning Human Understanding: J. Locke
- John Locke: R. Aron
- Berkeley: G. Pitcher
- The Works of George Berkeley: T.E. Jessop & A.R. Luce (eds.) 8 Vols
- An Enquiry Concerning Human Understanding-D. Hume: J. N. Mohanty (ed)
- A Treatise on Human Nature: D. Hume
- Locke, Berkeley, Hume: J. Bennett
- Locke, Berkeley, and Hume: C.R. Morris
- A Critique of Pure Reason-Immanuel Kant: N.K. Smith(tr. & ed.)
- Kant's Metaphysics of Experience: H.J. Paton Vols I & II
- The Philosophy of Kant: J. Kemp
- Kant: Paul Guyer
- A Handbook to Kant's Critique of Pure Reason: Rashvihari Das
- Kant: S. Körner
- Kant: Allen W. Wood
- Lectures on Kant's Critique of Pure Reason: J.N. Mohanty

#### **Bengali:**

- Paschatya Darshaner Itihas: Tarak Candra Roy (pratham o dvitiya khanda)
- Paschatya Darshaner Itihas: Kalyan Chandra Gupta
- Paschatya Darshaner Itihas: Susanta Chakraborty

- Paschatya Darshaner Itihas: Samarendra Bhattacharya (pratham o dwitiya khanda)
- Paschatya Darshaner Itihas(Plato o Aristotle): N.B. Chakraborty
- Paschatya Darshaner Itihas(Plato o Aristotle): Debabrata Sen
  
- Paschatya Darshaner Itihas:Ikshanvada(Locke,Berkeley,Hume): Chandrodaya Bhattacharya
- Paschatya Darshaner Itihas:(Locke,Berkeley,Hume): N.B. Chakraborty
- Hume-er Enquiry-Ekti Upasthapan: Ramaprasad Das
- Kanter Darshan-Tattva o Prayog: Prahlad Kumar Sarkar (ed.)
- Kanter Darshan:Rasvihari Das
- Kanter Shuddha Prajnar Bichar: Mrinal Kanti Bhadra

### **SEMESTER -3**

#### **Core Course**

#### **PHI-A-CC-5-Philosophy of Mind ( 6 Credits per week)**

- a) Psychology: Definition, Nature and Scope.
- b) Methods of Psychology: Introspection, Extrospection, Experimental Methods—variables—dependent & independent, Controls in experiment, Limitations of experimental method.
- c) Sensation and perception: Nature of sensation, Nature of perception, Relation between sensation and perception, Gestalt theory of perception. Illusion and Hallucination.
- d) 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).
- e) Philosophical Theories of Mind: Interactionism, Double-aspect theory, Philosophical Behaviorism, Materialism- mind-brain identity theory, The Person theory (Strawson).
- f) Consciousness: Levels of mind—Conscious, Sub-conscious, Unconscious, Proofs for the existence of Unconscious, Freud’s theory of Dream.
- g) Intelligence : Measurement of intelligence, IQ, Measurement of IQ, Binet-Simon test.
- h) Personality: Types, Factors and Traits of Personality.

#### **Suggested Readings:**

#### **English:**

- 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
- General Psychology: G. Murphy
- Psychology: W. James
- A Textbook of Psychology: E.B. Titchener
- Principles of Psychology: W. James
- Introduction to Psychology: N.L. Muna
- A Materialist Theory of Mind: D.M. Armstrong (Ch.s 1,5,& 6)
- Philosophy of Mind: J. Heil
- Philosophy of Mind: J. Shaffer (Ch.s 2,3&4)
- An Introduction to Philosophy of Mind: C.J. Lowe (Ch.s 2&3)

### **Bengali:**

- Monovidya: Priti Bhushan Chattopadhyay
- Monovidya: Pareshnath Bhattacharya
- Monovidya: Ira Sengupta
- Monovidya: Samarendra Bhattacharya
- Monosamiksha: M. N. Mitra O Pushpa Mishra
- Monodarshan-Sarirvada O Tar Vikalap: M. N. Mitra O P. Sarkar (Sampadito)
- Monovijñana Prasanga: Saradindu Bandyopadhyay
- Adhunik Monovijñana: Ira Sengupta
- Shikshashrayi Monovidya: Sushil Roy
- Monodarshan: Arabinda Basu O Nibedita Chakraborty

### **Core Course**

#### **PHI-A-CC-6-Social and Political Philosophy (6 Credits per week)**

- a) Nature and Scope of i) Social Philosophy ii) Political Philosophy  
iii) Relation between Social and Political Philosophy.
- b) Primary concepts: Society, community, association, institution, family:  
nature, different forms of family, role of family in the society.
- c) Social Class and Caste: Principles of class and caste, Marxist conception  
of class, Varṇāśrama dharma.
- d) Theories regarding the relation between individual and society:
  - i) Individualistic theory
  - ii) Organic theory
  - iii) Idealistic theory
- e) Secularism—its nature, Secularism in India.
- f) Social Change: Nature, Relation to social progress, Marx-Engles on  
social change, Gandhi on social change.

- g) 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:**

#### **English:**

- Philosophy: A Guide through the subject: A.C. Grayling (Ed.)
- Individuals: An Essay in Descriptive Metaphysics: P.F. Strawson
- The Concept of Person and Other Essays: A.J. Ayer
- Fundamentals of Sociology: P. Gisbert
- Outlines of Social Philosophy: J.S. Mackenzie
- Problems of Political Philosophy: D.D. Raphael
- Society: R.M. MacIver & C.H. Page
- Sociology: M. Ginsberg
- Sociology: Tom Bottomore
- Sociology: S.N. Shankar Rao
- Sociology: D.C. Bhattacharya
- Sociology: P.B. Kar
- Guide to Modern Thought: C.E.M. Joad
- Introduction to Modern political Theory: C.E.M. Joad
- The Evolution of Political Philosophy of Gandhi: Buddhadeb Bhattacharya
- Social and Political Thought of Gandhi: Jayantanuja Bandyopadhyay
- The Philosophy of Mahatma Gandhi: D.M. Dutta
- The Philosophy of Sarvodaya: K.S. Bharathi
- Communist Manifesto: Karl Marx & Frederick Engels
- Socialism: Utopian and Scientific: F. Engels
- Open Society and Its Enemies: Karl Popper
- The Open Philosophy and the Open Society: M. Cornforth
- Religion in India: T.N. Madan (ed.)
- Religion and Society: S. Radhakrishnan
- Secularism in the Present Indian Society, Amal Kumar Mukhopadhyay in Bulletin of the Ramakrishna Mission Institute of Culture, Vol. LVII, No. 11
- Secularism and Its Critics: Rajeev Bhargava (ed.)
- Civil Society and Its Institutions: Andre Beteille
- Unraveling the Nation: Sectarian Conflict and India's Secular Identity: Kaushik Basu & Sanjay Subramaniam (eds.)
- India as A Secular State: D.E. Smith
- Political Thought: C.L. Wayper
- Political Philosophy: An Introduction: W.T. Blackstone
- Political Philosophy: East and West: Krishna Roy
- Political Philosophy: V.P. Verma
- Essays in Social and Political Philosophy: Krishna Roy & Chhanda Gupta (eds.)
- Western Political Thought: Brian R. Nelson

- Western Political Thought: From Plato to Marx: Shefali Jha

### **Bengali:**

- Samaj Darshan Dipika: Pritibhushan Chattopadhyay
- Samaj Tattva: Parimal Bhushan Kar
- Samaj Tattva: T. Bottomore
- Bisay Samaj Tattva: Anadi Kumar Mahapatra
- Samajdarshan O Rashtradarshaner Parichoy: A.K. Mahapatra O P. Mukherjee
- Rashtradarshaner Dhara: Amal kumar Mukhopadhyay
- Samaj O Rajnaitikdarshan: Sandip Das
- Samyabader Istehar : Marx O Engels
- Samajtantra: Kalpanik O Baijnanik: F. Engels
- Marxiya Rashtrachinta: Shovan Lal Dutta Gupta
- Sarvodaya Andoloner Itihas: Gurudas Bandyopadhyay
- Gandhi Rachanasambhar: M.K. Gandhi
- Bharater Dharmanirapekshatar Sankat, Bholanath Bandyopadhyay in Essays on Science and Society: Biplab Chakraborti
- Dharmanirapekshata Birodhi Istahar: Ashis Nandy.

### **Core Course**

#### **PHI-A-CC-7-Philosophy of Religion (6 Credits per week)**

- 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 Quran: 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 .
- d) Religious Pluralism, Inter-religious dialogue and Possibility of Universal Religion.
- e) Arguments for the existence of God: Cosmological, Teleological and Ontological arguments, Nyāya arguments.
- f) Grounds for Disbelief in God: Sociological theory (Durkheim), Freudian theory, Cārvāka, Bauddha and Jaina views .
- g) 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:**

#### **English:**

- Philosophy of Religion: J. Hick
- An Introduction to the Philosophy of Religion: Brian Davies
- Indian Philosophy of Religion: A. Sharma

- Comparative Religion: P.B. Chatterjee
- Comparative Religion: Eric J. Sharpe
- Patterns in Comparative Religion: M. Eliade (Ch I, Sec. I)
- Atheism in Indian Philosophy: D.P. Chattopadhyay
- Essays in Indian Philosophy (pp-145-169): Sukharanjan Saha (ed.)
- Studies in Nyaya-Vaisesika Theism (pp-102-137,139-159): Gopika Mohan Bhattacharya
- The Religions of the World: R.K.M. Institute of Culture
- Encyclopedia Britannica, Vol. I
- Encyclopedia of Islam, Vols. I & II
- Indian Religions: S. Radhakrishnan
- Foundations of Living Faith: H.D. Bhattacharya
- Aspects of Hindu Morality: Saral Jhingram
- A History of Muslim Philosophy (Vols.I &II): M.M. Sharif
- Islam and Secularism: Sayed Muhammad Al-Naquib Al-Attas
- The History of Philosophy in Islam-T.J. de Boer: E. Jones (tr.)
- The Holy Quran: Mohammad Yusuf Ali (tr.)
- The Spirit of Islam: Syed Amir Ali
- The Meaning of the Glorious Koran: M. Pickthall
- A History of Islamic Philosophy: M. Fakhry
- The Spirit of Islam's Message, Muhammad Qamaruddin in Religions of the People of India:S.R. Saha (ed.)
- Cultural Heritage of Islam: Osman Ghani
- Old Testament: R. Kittel (ed.)
- New Testament: Kilpatrick
- The Doctrine of the Trinity: R.S. Franks
- The Doctrine of the Trinity: Loenard Hodgson
- The Idea of the Holy: R. Otto
- A Brief Account of the Religion of the Hindus: Srilekha Dutta in Religions of the People ofIndia: S.R. Saha (ed.)
- Dharma in Hinduism: An Ideal Religion: Tapan Kumar Chakraborty in Religions of thePeople of India: S.R. Saha (ed.)
- Jainism-A Religion of Non-Theistic Humanism: Tushar Sarkar in Religions of the People ofIndia: S.R. Saha (ed.)
- Essays in Analytical Philosophy (Ch.VII): Gopinath Bhattacharya
- Buddhism in India and Abroad: Anukul Bandyopadhyay

## **SEMESTER 4**

### **Core course**

#### **PHI-A-CC-8- Western Logic –I (6 Credits per week)**

- a) Logic and Arguments, Deductive and Inductive Arguments, Argument forms and arguments, Statement forms and statement, 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 thereon; 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.
- e) Induction: Argument by Analogy, Appraising Analogical Arguments, Refutation by Logical Analogy.
- f) 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.
- g) Science and Hypothesis: Explanations; Scientific and Unscientific, Evaluating Scientific Explanations; The pattern of Scientific Investigation; Crucial Experiments and Ad Hoc Hypotheses.
- h) Probability: Alternative Conception of Probability; The Probability Calculus; Joint Occurrences; Alternative Occurrences.

### **Suggested Readings:**

#### **English:**

- 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
- The Elements of Logic: Stephen Barkar
- Understanding Symbolic Logic: Virginia Klenk
- Logic- A Comprehensive Introduction; S.D. Guttenplan & M. Tamney
- Logic & Philosophy- A Modern Introduction: Howard Kahne
- Logic- A First Course: A.E. Blumberg

#### **Bengali:**

- Nabya Yuktibijnana(Pratham theke caturtha khanda): Ramaprasad Das
- Sanketik Yuktibijnana:Ramaprasad Das



- Samsad Yuktibijnana Abhidhan: Ramaprasad Das O Subirranjan Bhattacharya

### **Core Course**

#### **PHI-A-CC-9-Western Logic – II (6 Credits per week)**

- a) Symbolic Logic: The value of special symbols; Truth-Functions; Symbols for Negation, Conjunction, Disjunction, Conditional Statements and Material Implication; Material Equivalence and Logical Equivalence; Dagger and stroke functions; inter-definability of truth functors.
- b) Tautologous, Contradictory and Contingent Statement-Forms; the Paradoxes of Material Implication; The Three Laws of Thought.
- c) Determining the logical character of statement form and statements by
  - i) The Method of Truth-table.
  - ii) The Method of Resolution [dot notation excluded]
- d) Testing Argument Form and Argument for validity by
  - i) The Method of Truth-table.
  - ii) The Method of Resolution (Fellswoop & Full Sweep)[dot notation excluded].
- e) The Method of Deduction: Formal Proof of Validity: Difference between Implicational Rules and the Rules of Replacement; Construction of Formal Proof of Validity by using nineteen rules; Proof of invalidity by assignment of truth-values.
- f) Quantification Theory: Need for Quantification Theory, Singular Propositions; Quantification; Translating Traditional subject predicate proposition into the logical notation of propositional function and quantifiers.
- g) Quantification Rules and Proving Validity; Proving Invalidity for arguments involving quantifiers.

### **Suggested Readings:**

#### **English:**

- 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
- The Elements of Logic: Stephen Barkar
- Understanding Symbolic Logic: Virginia Klenk
- Logic- A Comprehensive Introduction; S.D. Guttenplan & M. Tamney
- Logic & Philosophy- A Modern Introduction: Howard Kahne
- Logic- A First Course: A.E. Blumberg

#### **Bengali:**

- Nabya Yuktibijnana (Pratham theke caturtha khanda): Ramaprasad Das
- Sanketik Yuktibijnana: Ramaprasad Das
- Samsad Yuktibijnana Abhidhan: Ramaprasad Das O Subirranjan Bhattacharya

### **Core Course**

#### **PHI-A-CC-10-Epistemology and Metaphysics (Western) (6 Credits per week)**

- a) Concepts, Truth
- b) Sources of Knowledge
- c) Some Principal uses of the verb “To know”, Conditions of Propositional Knowledge, Strong and weak senses of “know”
- d) Analytic truth and logical possibility
- e) The a priori
- f) The Problem of Induction
- g) Cause and Causal Principles
- h) Realism, Idealism
- i) Phenomenalism
- j) Substance and Universal

#### **Suggested Readings:**

##### **English:**

- An Introduction to Philosophical Analysis—John Hospers
- The Problem of Knowledge: A.J. Ayer
- Language, Truth and Logic: A.J. Ayer
- Readings in Philosophical Analysis: J. Hospers
- The Central Questions of Philosophy: A.J. Ayer
- Theory of Knowledge: A.J. Woozley
- An Introduction to Philosophy: Shibapada Chakraborty

##### **Bengali:**

- Darshanik Jijnasa (Bagarthatattva): Ramaprasad Das
- Darshanik Jijnasa (Jnanatattva-Jnaner Svarup): Ramaprasad Das
- Darshanik Jijnasa (Jnanatattva): Ramaprasad Das
- Darshanik Jijnasa (Paratattva O Bhauto Jagater Jnana): Ramaprasad Das
- Darshanik Bishlesaner Ruparekha (Pratham O dvitiya khanda): Samarikanta Samanta
- Paschatya darshaner Ruparekha: Ramaprasad Das O Shibapada Chakraborty

### **SEMESTER 5**

## Core Course

### PHI-A-CC-11-Nyāya Logic and Epistemology –I (6Credits per week)

- a) Definition of buddhi or jñāna (cognition), its two kinds; Definition of smṛti; Two kinds of smṛti (memory); Definition of anubhava, its division into veridical (yathārtha) and non-veridical (ayathārtha); Three kinds of non-veridical anubhava; Definitions clarified in Tarkasamgraha Dīpikā.
- b) Four-fold division of pramā and pramāṇa. Definition of “Kāraṇa” (special causal condition) and “kāraṇa” (general causal condition). The concept of anyathāsiddhi (irrelevance) and its varieties. The definition of kārya (effect). Kinds of cause: samavāyi, a-samavāyi and nimitta kāraṇa (definitions and analysis).
- c) Definition of pratyakṣa and its two-fold division : nirvikalpaka and savikalpaka jñāna. Evidence for the actuality of nirvikalpaka.
- d) Sannikarṣa and its six varieties. Problem of transmission of sound; The claim of “anupalabdhi” as a distinctive pramāṇa examined.

### Suggested Readings:

#### English:

- Tarkasamgraha with Dipika: Gopinath Bhattacharya
- Tarkasamgraha: M.R. Bodas & Y.V. Athalye (tr. & ed.)
- The Elements of Indian Logic and Epistemology: Chanrodaya Bhattacharya
- A Primer of Indian Logic: Kuppuswami Shastri
- Fundamental Questions of Indian Metaphysics & Logic: S.K. Maitra
- The Nyaya Theory of Knowledge: S.C. Chatterjee

#### Bengali:

- Tarkasamgraha with Dipika: Narayan Chandra Goswami
- Tarkasamgraha with Dipika: Indira Mukhopadhyay
- Tarkasamgraha with Dipika: Panchanan Shastri
- Tarkasamgraha with Dipika: Kanailal Poddar

## Core Course

### PHI-A-CC-12-Ethics (Indian) (6 Credits per week)

- a) Introduction: Concerns and Presuppositions, Concept of Sthitaprañjna, Karmayoga: (Gīta) Puruṣārthas and their inter-relations.
- b) Meaning of Dharma, Concept of Ṛṇa and Ṛta. Classification of Dharma: sādharmaṇadharmā and Asādharmaṇa dharmā, Varnāśrama dharmā.
- c) Vidhi and Niṣedha.
- d) Buddhist Ethics: Pañcaśīla, Brahmavihārabhāvanā (Bauddha) Anuvrata, Mahāvratā, Ahimsā.
- e) Jaina Ethics: anubratā, mahabratā.

- f) Mimamsa Ethics: nitya naimittika karma and kāmya karma, the imperative in kāmya karmas and in kāmya karmas involving himsā.

### **Suggested Readings:**

#### **English:**

- The Fundamentals of Hinduism-A Philosophical Study: S.C. Chatterjee
- The Ethics of the Hindus: S.K. Maitra
- An Outline of Hinduism: T.M.P. Mahadevan
- Classical Indian Ethical Thought: K.N. Tewari
- Ethics in the Gita-An Analytical Study (pp-119-145): Rajendra Prasad
- 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.)
- A Critical Survey of Indian Philosophy: C.D. Sharma
- Indian Philosophy (Vo. I): J.N. Sinha
- Philosophy of Hindu Sadhana: N.K. Brahma

#### **Bengali:**

- Nitividya: Mrinal Kanti Bhadra
- Nitividyar Tattvakatha: Somnath Chakraborty
- Nitishastra: Dikshit Gupta
- Dharma Darshan: A. Bandyopadhyay o K.C. Gupta
- Dharma Darshan: Rabindranath Das
- Nitividya: Sibapada Chakraborty
- Pashchatya Darshaner Itihas (Pratham o dwitiya khanda): S. Radhakrishnan
- Sarvadarshanasamgraha: Satyajyoti Chakraborty (Pratham Khanda)
- Dharmadarshanser Katipoy Samasya: Dilip Kumar Mohanta
- Dharma Darshan: Sushil Kumar Chakraborty
- Bharatiya Dharmaniti: Amita Chattopadhyay (Sampadita)
- Bharatiya Darshane Nirishvarvada: B.B. Purakayastha (pp-39-50,56-66)
- Bharatiya Darshaner Drishtite Muktir Swarup: Chandana Das

### **SEMESTER 6**

#### **Core Course**

## PHI-A-CC-13-Nyaya Logic and Epistemology –II (6 Credits per week)

- a) Definition of anumāna, anumiti and parāmarśa. Analysis of pakṣatā. Definition of vyāpti; Vyāptigraha.
- b) Definition of pakṣadharmatā—svārthānumiti and parārthānumiti; Analysis of pañcāvayavi Nyāya. Necessity of parāmarśa. Three kinds of linga or hetu: kevalānvayi, kevalayatirekī and anvayavyatirekī. Definition of pakṣa, Sa-pakṣa and vipakṣa with illustrations. Marks of sat hetu.
- c) Hetvābhāsa—two types of definition. Five kinds of hetvābhāsa: (1) “Savyabhicāra and its three kinds—defined and illustrated; (2) “Viruddha” defined and illustrated; (3) “Satpratipakṣa” defined and illustrated; (4) Three kinds of “Asiddha” enumerated; (a) āśrayāsiddhi (b) svarūpāsiddhi and (c) vyāpyatvāsiddhi. Vyāpyatvāsiddhi defined as “sopādhika hetu”. Upādhi and its four kinds (definition and illustration) (5) “Bādhita” (definition and illustration).
- d) “Upamāna pramāṇa” :Definition and analysis.“Śabda pramāṇa” : Definition and analysis. “Śakti” (the direct signifying power), the padapadārtha- sambandha considered as Īśvara-saṅketa, Controversy between the Mīmāṃsakas and the Naiyāyikas regarding the nature of Śakti as universal or particular.
- e) “Śaktigraha” (ascertainment of the meaning-relation), lakṣaṇa, varieties of lakṣaṇa, Analysis of “Gauṇī-vṛtti” (the secondary signifying power of a term), “Vyājanā-vṛtti” (the suggestive power of a term) analysed as a kind of śakti or lakṣaṇā.
- f) The question of lakṣanā-bīja tātparya, The concept of “yoga-rūḍhi”. The three conditions of “śabda-bodha”—ākāṅkṣā, योग्यता and sannidhi. Two kinds of statements distinguished— Vaidika and Laukika.
- g) “Arthāpatti” as a distinctive pramāṇa: Controversy between the Mīmāṃsakas and the Naiyāyikas.
- h) The theory of prāmāṇya:the issue between svataḥ-prāmāṇyavāda and parataḥ-prāmāṇyavāda regarding utpatti and jñapti; The Prābhākara theory of akhyāti.

### Suggested Readings:

#### English:

- Tarkasamgraha with Dipika: Gopinath Bhattacharya
- Tarkasamgraha: M.R. Bodas & Y.V. Athalye (tr. &ed.)
- The Elements of Indian Logic and Epistemology: Chanrodaya Bhattacharya
- A Primer of Indian Logic: Kuppuswami Shastri
- Fundamental Questions of Indian Metaphysics & Logic: S.K. Maitra
- The Nyaya Theory of Knowledge: S.C. Chatterjee

#### Bengali:

- Tarkasamgraha with Dipika: Narayan Chandra Goswami
- Tarkasamgraha with Dipika: Indira Mukhopadhyay
- Tarkasamgraha with Dipika: Panchanan Shastri
- Tarkasamgraha with Dipika: Kanailal Poddar

## Core Course

### PHI-A-CC-14-Ethics (Western) (6 Credits per week)

- Nature and Scope of Ethics, Classification of Ethics: a) Prescriptive, b) Meta Ethics, c) Applied Ethics.
- Moral and Non-moral actions, Object of Moral Judgement—Motive and Intention
- Moral Theories: Plato and Aristotle
- Standards of Morality: Hedonism—Ethical, Psychological. Utilitarianism: Act-utilitarianism, Rule-utilitarianism. Deontological Theories: Act-Deontological Theories, Rule-Deontological Theories—Kant's Theory
- Theories of Punishment

### Suggested Readings:

#### English:

- History of Philosophy-Eastern and Western: (Vol. I & II): S. Radhakrishnan
- Principles of Ethics: P.B. Chatterjee
- A Manual of Ethics: J.S. Mackenzie
- Ethics: W. Frankena
- An Introduction to Ethics: W. Lillie
- Ethics-Theory and Practice: J. Thiroux (Chs II & III)
- Ethics-Theory and Practice: Y.V. Satyanaryana
- Moral Reasons: J. Nuttal
- Human Conduct: J. Hospers
- Ethics-The Fundamentals: Julia Driver
- An Introduction to Kant's Ethics: R. Sullivan
- Nicomachean Ethics: Aristotle
- Philosophical Ethics-An Introduction to Moral Philosophy: T.L. Beauchamp (ed.)
- Virtue Ethics: Rosalind Hursthouse (Ch. III)
- Karma, Causation and Retributive Morality: Rajendra Prasad

#### Bengali:

- Nitividya: Mrinal Kanti Bhadra
- Nitividyar Tattvakatha: Somnath Chakraborty

- Nitishastra: Dikshit Gupta
- Nitividya: Samarendra Bhattacharya
- Nitividya: Sibapada Chakraborty
- Pashchatya Darshaner Itihas (Pratham o dwitiya khanda): S. Radhakrishnan
- Dharma Darshan: A. Bandyopadhyay o K.C. Gupta
- Dharma Darshan: Rabindranath Das
- Dharmadarshanser Katipoy Samasya: Dilip Kumar Mohanto
- Dharma Darshan: Sushil Kumar Chakraborty
- Bharatiya Dharmaniti: Amita Chattopadhyay (Sampadita)
- Bharatiya Darshane Nirishvarvada: B.B. Purakayastha (pp-39-50,56-66)
- Bharatiya Darshaner Drishtite Muktir Swarup: Chandana Das
- Sarvadarshanasamgraha: Satyajyoti Chakraborty (Pratham Khanda)

## **B. DISCIPLINE SPECIFIC ELECTIVE COURSE**

### **Semester 5**

**PHI-A-DSE-A(1)**(Any one from the following options)

#### **a) Western Logic- I (6 Credits per week)**

- 1) I.M. Copi: Symbolic Logic (fifth edn.) [Sections 3.4, 3.5, 3.6 and 3.7, 3.8 and Appendix B]
- 2) R.Jeffery: Formal Logic—Its scope and Limits (first edn.) [Ch IV and VI]
- 3) W.V.O. Quine: Methods of Logic (third edn.) [Ch.s 18, 19 and 21]
- 4) D. P. Suppes: Introduction to Logic (Indian edn.) [Ch.9,Section 9.1 to 9.7]

#### **Suggested Readings:**

##### **English:**

- Copi, I.M., Symbolic Logic

##### **Bengali:**

- Sanketik Yuktivijnan (Vakyakalan O Vidheyakalan): Ramaprasad Das
- Sabdajijnasa-Sabder Prakar o Prakriti: Ramaprasad Das
- Yukhtivaijnantik Paddhati: Ramaprasad Das

#### **b) Normative and Meta ethics (6 Credits per week)**

- 1) Postulates of morality
- 2) Virtue Ethics
- 3) Concept of value: Types of values, subjectivity/objectivity of values, moral skepticism
- 4) Distinction between normative and meta ethics

- 5) Meta-ethics: Nature of meta-ethics, Emotivism (A.J. Ayer's view), Intuitionism (Moore's view), Prescriptivism (R.M. Hare's view)

**Suggested Readings:**

**English:**

- Ethics-The Fundamentals: Julia Driver
- Ethics-Theory and Practice: J. Thiroux (Chs II & III)
- Ethics-Theory and Practice: Y.V. Satyanaryana
- Moral Reasons: J. Nuttal
- Moral Reasons: James Rachels
- Philosophical Ethics-An Introduction to Moral Philosophy: T.L. Beauchamp (ed.)
- Virtue Ethics: R. Crisp & M. Stole (eds.)
- Virtue Ethics: Rosalind Hursthouse (Ch. III)
- Elements of Moral Philosophy: James Rachels
- Modern Moral Philosophy: W.D. Hudson
- Ethics Since 1900: Mary Warnock
- Introductory Ethics: Fred Feldman
- Ethics: W. Frankena
- Identity and Violence: Amartya Sen
- Twentieth Century Ethics: Roger Hancock
- Aspects of Hindu Morality: Saral Jhingram
- Practical Ethics: Peter Singer (Chs V, VII, VIII, X)
- A Companion to Ethics: Peter Singer (Chs 14, 19, 22)
- Man and Nature: G.F. MacLean (ed.)
- Language, Truth and Logic: A.J. Ayer
- The language of Morals: R.M. Hare

**Bengali:**

- Nitishastra: Dikshit Gupta
- Nitividya: Sanjib Ghosh
- Nitividyar Tattvakatha: Somnath Chakraborty
- Nitibidya- Shibapada Chakraborty

**c)Philosophy of Language (Indian)(6 Credits per week)**

- 1) Definition and classification of pada
- 2) Introduction of concepts of āsatti, योग্যতা, তাত্পর্য, অকাম্শা
- 3) Different types of lakṣaṇā
- 4) śābdabodha
- 5) anvitābhīdhānvāda and avihitānvayavāda.

**Suggested Readings:**

**English:**

- Tarkasaṁgraha: Annāmbhatta



- Tarkasamgraha: M.R. Bodas & Y.V. Athalye (tr. &ed.)
- The Elements of Indian Logic and Epistemology: Chandrodaya Bhattacharya
- A Primer of Indian Logic: Kuppuswami Shastri
- Fundamental Questions of Indian Metaphysics & Logic: S.K. Maitra
- The Nyaya Theory of Knowledge: S.C. Chatterjee

**Bengali:**

- Tarkasamgraha with Dipika: Narayan Chandra Goswami
- Tarkasamgraha with Dipika: Indira Mukhopadhyay
- Tarkasamgraha with Dipika: Panchanan Shastri
- Tarkasamgraha with Dipika: Kanailal Poddar

**PHI-A-DSE-B(1) Classical Texts** (Any one from the following options)

**a) An Enquiry Concerning Human Understanding** -D. Hume (6 Credits per week)

- Chapter 1—3
- Chapter 4—6
- Chapter 7- 9
- Chapter 10--- 12.

**Suggested Readings:**

**English:**

- An Enquiry Concerning Human Understanding-D. Hume: J.N. Mohanty (intr.)
- The Philosophy of David Hume: Pabitra Kumar Roy
- The Philosophy of David Hume: N.K. Smith
- Hume's Theory of Causality: Tapan Kumar Chakraborty
- Hume: V.C. Chappell (ed.)

**Bengali:**

- Hume-er Enquiry-Ekti Upasthapan: Ramaprasad Das
- Hume -er Darshan – Prahlad Kumar Sarkar (Ed.)

**b) The Problems of Philosophy--** Bertrand Russell (6 Credits per week)

- Chapter 1—3
- Chapter 4—6
- Chapter 7- 9
- Chapter 10--- 12.

**Suggested Readings:**

**English:**

- Russell and Moore – An Analytical Heritage: A.J. Ayer
- Russell: A.J. Ayer
- Russell : Mark Sainsbury
- The Philosophy of B. Russell : Schlipp (ed)
- Russell – A Short Introduction: A.C. Grayling

**Bengali:**

- Darshaner Samasya: Debika Saha
- Darshan Samasya: Sushil Kumar Chakrabarty

**c) Vedāntasāra: Sadananda Yogindra Saraswati(6 Credits per week)**

1. Mangalācaraṇa
2. Vedānter Paricaya
3. From anubandha catuṣṭaya to relation between Ísvara and Prājña
4. Origin of Sthūla Bhūta to Brahma- sākṣātkāra
5. Śravana o ṣaḍbidhalinganirupaṇa to jībanmuktir śeṣ phala

**Suggested Readings:****English:**

- A History of Indian Philosophy: S. N. Dasgupta

**Bengali:**

- Vedantasara : Upendranath Mukhopadhaya
- Vedantasara: Medha Caitanya
- Vedantasara: Kalibar Vedanta Vagish
- Vedantasara: Bipadbhanjan Pal
- Vedantasara- Advaitavada : Ashutosh Shastri
- Vedantasara: Swami Nikhilananda (Eng Version)

**d) Śrimadbhagavadgīta (6 credits per week)**

1. A. Karmayoga (third chapter)
2. B. Guṇatrayabibhāga (fourteenth chapter)

**Suggested Readings:****English:**

- Ethics in the Gita- An Analytical Study : Rajendra Prasad
- Central Theme of Gita : Swami Ranganathananda

**Bengali:**

- Śrimadbhagavadgīta: Madhusudan Saraswati
- Śrimadbhagavadgīta: Atul Chandra Sen
- Śrigīta: Jagadish Chandra Ghosh

- Gitanibandha: Sri Aurobindo
- Śrīmadbhagavadgīta: Swami Jagadiswarananda( Tran.)
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## Semester 6

**PHI-A-DSE-A(2)** (Any one from the following options)

### a) Western Logic – II(6 Credits per week)

- 1) H.W.B. Joseph: An Introduction to Logic [Ch.s II & IV]  
[Terms and their principal distinctions, The Predicables]
- 2) H.W.B. Joseph: An Introduction to Logic [Ch. V]  
[The Rules of Definition and Division:Classification and Dichotomy]

### Suggested Readings:

#### English:

- Copi, I.M., Symbolic Logic

#### Bengali:

- Sanketik Yuktivijnan (Vakyakalan O Vidheyakalan): Ramaprasad Das
- Sabdajijnasa-Sabder Prakar o Prakriti: Ramaprasad Das
- Yukhtivajjanik Paddhati: Ramaprasad Das
- Samsad Yuktivijnan Abhidhan: Ramaprasad Das o Subirranjan Bhattacharya

### b)Applied ethics (6 Credits per week)

1. Nature and scope of applied ethics.
2. Killing: Suicide, Euthanasia, Animal killing.
3. Poverty, Affluence and Morality.
4. War and Violence: Terrorism.
5. Right: Nature and Value of Human Rights—Discrimination on the basis of race, caste and religion.
6. The Ethics of Care.
7. Value beyond sentient beings, Reverence for life, Deep Ecology, Concepts of Kinship Ethics.
8. Ecological Concern in Indian thoughts: Jaina and Buddha views.

### Suggested Readings:

#### English:

- Ethics-The Fundamentals: Julia Driver
- Ethics-Theory and Practice: J. Thiroux (Chs II & III)
- Ethics-Theory and Practice: Y.V. Satyanaryana
- Moral Reasons: J. Nuttal
- Moral Reasons: James Rachels

- Philosophical Ethics-An Introduction to Moral Philosophy: T.L. Beauchamp (ed.)
- Elements of Moral Philosophy: James Rachels
- Theories of Rights: J. Waldron (ed.)
- Human Rights: Alan Gewirth
- Modern Moral Philosophy: W.D. Hudson
- Ethics Since 1900: Mary Warnock
- Introductory Ethics: Fred Feldman
- Ethics: W. Frankena
- Identity and Violence: Amartya Sen
- Twentieth Century Ethics: Roger Hancock
- Aspects of Hindu Morality: Saral Jhingram
- Practical Ethics: Peter Singer (Chs V,VII,VIII,X)
- Applied Ethics: Peter Singer (ed.)
- A Companion to Ethics: Peter Singer (Chs 14,19,22)
- A Companion to Bio-Ethics: Peter Singer & H. Kuhse (eds.)
- Human Rights-An Introduction: D.J. O'Byrne
- Man and Nature: G.F. MacLean (ed.)
- Human Rights, Gender and the Environment: Manisha Preya, Krishna Menon, Madhulika Banerjee
- Gender: G. Geetha
- A Short Introduction to Feminist Theory: Rinita Mazumdar
- Feminist Thought: Shefali Moitra
- Justice and Care: Essential Readings in Feminist Ethics: Virginia Held (ed.)
- Language, Truth and Logic: A.J. Ayer
- The language of Morals: R.M. Hare

### **Bengali:**

- Nitishastra: Dikshit Gupta
- Vyavaharik Nitivijnan: N. Nandy & M. Bal
- Nitividya: Sanjib Ghosh
- Nitividyar Tattvakatha: Somnath Chakraborty
- Tattvagata Nitividya o Vyavaharik Nitividya: Samarendra Bhattacharya
- Vyavaharik Nitividya-Peter Singer: Pardip Kumar Roy (tr.)
- Prayogik Nitividya: A.S.M. Abdul Khalek
- Nitibidya- Shibapada Chakraborty

### **c) Philosophy of Language (Western)(6 Credits per week)**

- 1) Syntax, Semantics, Pragmatics.
- 2) Word-meaning, Definitions.
- 3) Vagueness.
- 4) Sentence-meaning.
- 5) Testability and Meaning.

### **Suggested Readings:**

**English:**

- The Philosophy of Language : A.P.Martinich
- An Introduction to Philosophical Analysis : John Hospers
- The Central Questions of Philosophy: A.J. Ayer
- Theory of Knowledge: A.J. Woozley
  
- The Problem of Knowledge: A.J. Ayer
- Language, Truth and Logic: A.J. Ayer
- Readings in Philosophical Analysis: J. Hospers
- An Introduction to Philosophy: Shibapada Chakraborty

**Bengali:**

- Darshanik Jijnasa (Bagarthatattva): Ramaprasad Das
- Darshanik Jijnasa (Jnanatattva-Jnaner Svarup): Ramaprasad Das
- Darshanik Jijnasa (Jnanatattva): Ramaprasad Das
- Darshanik Jijnasa (Paratattva o Bhauto Jagater Jnana): Ramaprasad Das
- Darshanik Bishlesaner Ruparekha (Pratham O dvitiya khanda): Samarikanta Samanta
- Paschatya darshaner Ruparekha: Ramaprasad Das o Shibapada Chakraborty

**PHI-A-DSE-B(2)**

**Contemporary Indian Philosophy** (Any one from the following options)

**a) Swami Vivekananda (6 Credits per week)**

1. Real nature of man.
2. Nature of Religion.
3. Ideal of Universal Religion.
4. Concept of Practical Vedanta.

**Suggested Readings:****English:**

- Contemporary Indian Philosophy: T.M.P. Mahadevan & G.V. Saroja
- Contemporary Indian Philosophy: Basant Kumar Lal
- Contemporary Indian Philosophy: Binoy Gopal Roy
- Practical Vedanta (Vol.II,pp-291-358): Swami Vivekananda
- Swami Vivekananda as a Philosopher: J.L. Shaw
- The Philosophy of Swami Vivekananda: Pradip Kumar Sengupta
- The Complete Works of Swami Vivekananda (Vol.I,pp-333-343 & II,pp-70-87,375-396):Mayavati Memorial Edition
- The Philosophy of Vivekananda: Govinda Dev

**Bengali:**

- Patraboli : Swami Vivekananda

**b) Rabindranath Tagore (6 Credits per week)**

1. Reality and God.
2. Nature of Man.
3. Surplus in man.
4. Nature of Religion.
5. Tagore's Humanism.

**Suggested Readings:**

**English:**

- Contemporary Indian Philosophy: T.M.P. Mahadevan & G.V. Saroja
- Contemporary Indian Philosophy: Basant Kumar Lal
- Contemporary Indian Philosophy: Binoy Gopal Roy
- Religion Of Man: Rabindranath Tagore
- The Philosophy of Rabindranath Tagore : Binay Gopal Roy
- Philosophy of Rabindranath Tagore: S. Radhakrishnan

**Bengali:**

- Rabindra Rachanabali (Khanda 12, pp-532-545, 567-614):  
Janmashatbarshiki Samskaran
- Rabindra Darsan: Sachindranath Gangopadhyay, Pabitra Kumar Roy,  
Nripendranath Bandyopadhyay

**c) Sri Aurobindo (6 Credits per week)**

1. Reality as Sat-Cit-Ānanda
2. Nature of Creation, the World process: Descent or involution, Maya and Lila, Ascent or evolution.
3. Integral Yoga.

**Suggested Readings:**

**English:**

- Contemporary Indian Philosophy: T.M.P. Mahadevan & G.V. Saroja
- Contemporary Indian Philosophy: Basant Kumar Lal
- Contemporary Indian Philosophy: Binoy Gopal Roy
- Life Divine: Sri Aurobindo
- Synthesis of Yoga: Sri Aurobindo
- Integral Yoga: Sri Aurobindo
- Among the Great: Dilip Kumar Roy (Chapter on Sri Aurobindo)
- Towards Supermanhood-The Philosophy of Sri Aurobindo: P.B. Chatterjee
- The Philosophy of Sri Aurobindo: Ramnath Sharma
- An Introduction to the Philosophy of Sri Aurobindo: S.K. Maitra
- Guide to Sri Aurobindo's Philosophy: K.D. Acharya
- Future Evolution of Man-The Divine Life Upon Earth: Sri Aurobindo
- Sri Aurobindo-The Prophet of Life Divine: Haridas Choudhuri
- Sri Aurobindo's Concept of the Superman: Chittaranjan Goswami

**Bengali:**

- Visva-Vivek: Asit kumar Bandyopadhyay, Sankari Prasad Basu, Sankar
- Manavjatir Bhabiswat Bibartan: Sri Aurobindo Ghosh
- Sri Aurobindo Katha: manmatho Mukhopadhyaya
- Divya Jivan: Srimat Anirban
- Yogo-samannay: Srimat Anirban
- Sri Aurobindo Janmo Satabarshiki Smarak Grantha: Sri Aurobindo Patha Mandir

**d) M.K.Gandhi(6 Credits per week)**

1. God and Truth.
2. Nature of Man.
3. Non-Violence
4. Satyāgraha
5. Swaraj
6. Theory of Trusteeship

**Suggested Readings:****English:**

- Contemporary Indian Philosophy: T.M.P. Mahadevan & G.V. Saroja
- Contemporary Indian Philosophy: Basant Kumar Lal
- Contemporary Indian Philosophy: Binoy Gopal Roy
- Hind Swaraj: M.K. Gandhi
- Trusteeship; M.K. Gandhi
- Selections from Gandhi: N.K. Bose
- Contemporary Indian Philosophy: S,Radhakrishnan& J.H. Murihead (eds.)
- The Evolution of Political Philosophy of Gandhi: Buddhadeb Bhattacharya
- Social and Political Thought of Gandhi: Jayantanuja Bandyopadhyay
- The Philosophy of Mahatma Gandhi: D.M. Dutta
- The Philosophy of Sarvodaya: K.S. Bharathi
- Gandhi's Political Philosophy: Bhikhu Parekh

**Bengali:**

- Sarvodaya Andoloner Itihas: Gurudas Bandyopadhyay
- Gandhi Parikrama: Sailesh Kumar Bandyopadhyay
- Gandhi Rachanasambhar: M.K. Gandhi

**SKILL ENHANCEMENT COURSE****Semester 3****PHI-A-SEC- A (any one from the following options)**

**a) Logical Reasoning and application : Indian and Western (2 Credits per week)**

1. The main objective of logical reasoning.
2. Reasoning in practice:
  - (i). Fallacy of relevance, Fallacies of ambiguity, Fallacies of weak induction, Avoiding fallacies
  - (ii) Different kinds of Hetvābhāsa-s after Nyāya system
  - (iii) Logical applications of the concept of pakṣatā
  - (iv) Functional applications of ordinary operative relations between sense-organs and respective objects .
3. Logic and the Law:
  - (i) Laws, courts and arguments
  - (ii) Language in the law
  - (iii) The functions of legal Language
  - (iv) Fallacies in the law
  - (v) Definitions in the law
4. Inductive reasoning in Law
  - (i) The method of Inquiry in Law
  - (ii) Causation in Legal reasoning
  - (iii) Analogical Reasoning in legal argument
  - (iv) Probability in legal argument
5. Deductive Reasoning in Law
  - (i) Determining the correct rule of Law
  - (ii) Identifying, formulating, and applying rules of law
  - (iii) The law of libel
  - (iv) Logic is right reasoning

**Suggested Readings:**

**English:**

- Introduction to Logic (9<sup>th</sup> Edition) : I. M. Copi & C. Cohen, Prentice Hall of India Pvt. Ltd., New Delhi, 1999.
- The Elements of Logic (5<sup>th</sup> Edition): S.F. Barker, McGraw-Hill Book Company, 1988.
- Introduction to Logic : P.J. Hurley, Wadsworth, 2007.
- The Concept of Logical Fallacies: Nandita Bandyopadhyaya



**Bengali:**

- Tarkasaṁgraha: Annambhatta
- Tarkasaṁgraha: M.R. Bodas & Y.V. Athalye (tr. & ed.)
- Tarkasaṁgraha with Dipika: Narayan Chandra Goswami
- Tarkasaṁgraha with Dipika: Indira Mukhopadhyay
- Tarkasaṁgraha with Dipika: Panchanan Shastri
- Tarkasaṁgraha with Dipika: Kanailal Poddar

**b) Man and Environment (2 Credits per week)**

## a) Classical Indian Attitude to Environment

- i) The Upanisadic world-view, ii) Tagore's understanding of nature, iii) The post-Upanisadic view of nature

## b) Respect for Nature

- i) The attitude of respect, ii) Bio-centric outlook to nature, iii) Ethical standards and rules that follow from the attitude of respect to nature, iv) The idea of inherent worth of nature.

## c) Intrinsic Value of nature

- i) Moore's talk of 'intrinsic properties', ii) Chilsom's idea of intrinsic value, iii) Attfield on the intrinsic value of nature, iv) Callicott's idea of intrinsic value of nature, v) Rolston III on intrinsic value of nature, vi) intrinsic value and objective value

## d) Deep Ecology and its Third World Critique

- i) Arne Naess on Deep Ecology, ii) Ramchandra Guha's critique of Deep Ecology

## e) Eco-feminism

- i) Understanding nature and the feminine, ii) Dualisms in Western tradition, iii) Masculinity, humanity and nature.

**Suggested Readings**

## English:

1. 'Attitudes to Nature' John Passmore, Environmental Ethics (ed.) Robert Elliot, Oxford University Press, Oxford, 1998

- 2.Sadhana (first Chapter), Rabindranath Tagore, Macmillan, New York, 1915
  - 3.Respect for Nature: A Theory of Environmental Ethics (Select Parts), Paul Taylor, Princeton University Press, Princeton, 1986
  4. 'Intrinsic value, Environmental Obligation and Naturalness', Robert Elliot, Monist, 1975
  5. 'The Shallow and the Deep, Long-Range Ecology Movements: A Summary', Arne Naess, Inquiry, 1973
  - 6.Nature, Self and Gender: Feminism, Environmental Philosophy and the Critique of Rationalism, Val Plumwood, Environmental Ethics (ed.) Robert Elliot, Oxford University Press, Oxford, 1998
- Bengali:
- 7.Paribesh o Naitikata, Nirmalya Narayan Chakraborty, Progressive Book Forum, Kolkata, 2002

#### **Semester 4**

**PHI-A-SEC- B**(any one from the following options)

**a) Emerging trends of thought**(2 Credits per week)  
(any two from the following)

- A. Business Ethics
  - B.Environmental Philosophy
  - C.Feminist Philosophy
  - D. Peace Studies
  - E.Recent trends in ethics

#### **A. Business Ethics**

1. Why Study Business Ethics?
  - i)Ethical Issues in business
  - ii) Ethical principles in business
2. Environment and Business Ethics
  - i)Business ethics and environmental values
  - ii)Ethics of conserving depletable resources
3. Ethics in Management
  - i)Management by Value Programmes: a qualitative appraisal
  - ii) Ethical vision of Management : A Vedantic outline

#### **Suggested Reading:**

##### **English:**

- Business Ethics(7<sup>th</sup> edition) : Manuel G. Velasquez (Chapter 1,2&5)

- Ethics in Management : S. K. Chakraborty (Chapter 1&5)
- Management by Values -towards cultural congruence : S.K.Chakraborty
- Management Ethics-integrity at work: J.A.Patrick & John F. Quinn
- Business Ethics and Corporate Governance, Pearson Education India
- Business Ethics-an introduction to the ethics of values:Lucjan Klimsza

## **B. Environmental Philosophy**

### **Suggested Readings:**

#### **English :**

1. 'Attitudes to Nature' John Passmore,, Environmental Ethics (ed.) Robert Elliot, Oxford University Press, Oxford, 1998
2. Respect for Nature: A Theory of Environmental Ethics (Select Parts),Paul Taylor, Princeton University Press, Princeton, 1986
3. 'Intrinsic value, Environmental Obligation and Naturalness', Robert Elliot,Monist, 1975
4. 'The Shallow and the Deep, Long-Range Ecology Movements: A Summary',Arne Naess, Inquiry, 1973
5. Nature, Self and Gender: Feminism, Environmental Philosophy and the Critique of Rationalism, Val Plumwood, Environmental Ethics (ed.) Robert Elliot, Oxford University Press, Oxford, 1998

#### **Bengali:**

6. Paribesh o Naitikata,Nirmalya Narayan Chakraborty, Progressive Book Forum, Kolkata, 2002

## **C.Feminist Philosophy**

### **Suggested Readings:**

#### **English:**

- 1)Feminist Thought: A Comprehensive Introduction, Rosemarie Tong ,Vol 1&2, Third Edition, Westview Press, 2009
- 2)Feminist Thought, Shefali Moitra, Munshiram Manoharlal Publishers Pvt .Ltd in association with Centre of Advanced Study in Philosophy, Jadavpur University, Kolkata, 2002
- 3)The Second Sex, Simone De Beauvoir, Vintage Books, London, 2001
- 4) A Companion to Feminist Philosophy (ed. Alison, M, Jaggar and Iris Marion Young), Willey-Blackwell, 1999
- 5) Feminist Knowledge (RLE Feminist Theory) Critique and Construct,(ed.Sneja Gunew),Routledge Library Editions,2014
- 6)Representing Reason: Feminist Theory and Formal Logic, (in ed.Rachel Jaffe Falmange and Marjorie Hans), Rowman and Littlefield Publisher, 2002

**Bengali:**

7) Narivad, Rajasree Basu, Paschimbanga Rajya Pustak Parshad, Kolkata, 2012. (Bengali)

8) Naitikata o Narivad, Shefali moitra, New age Publishers Pvt Ltd, Kolkata, 2003. (Bengali)

**D. Peace Studies****Suggested Readings:****English:**

- 1) Introduction to Peace Studies, David P. Barash, Belmont: Wadsworth, 1991.
- 2) 'International Relations', in The English Writings of Rabindranath Tagore: A Miscellany, (ed) Sisir Kumar Das, New Delhi: Sahitya Akademi, reprint 2006.
- 3) Handbook of Peace and Conflict Studies, Charles Webel and Johan Galtung (eds.): Routledge, London and New York, 2007

**E. Recent Trends in Ethics****Suggested Readings:****English:**

1. John F. Fitzgibbon: Ethics: Fundamental Principles of Moral philosophy, University Press of America, 1983
2. Moral Dilemmas, Christopher W. Gowans (ed): Oxford University Press, Oxford, 1987
3. Walter Sinnott-Armstrong: Moral Dilemma, Basil Blackwell, U.S.A., 1988
4. Daniel Statman (ed.): Moral Luck, State University of New York Press, New York, 1993
5. Bernard Williams: Moral Luck Philosophical Papers 1973-1980, Cambridge University Press, Cambridge, 1981

6. Justine D'Arms & Daniel Jacobson (ed): *Moral Psychology & Human Agency Philosophical Essays on the Science of Ethics*, Oxford University Press, Oxford, 2014
7. Paul Katsafanas: *Agency and the Foundations of Ethics—Netschean Constitutivism*, Oxford University Press, Oxford, 2013
8. John Martin Fischer and Mark Ravizza (ed): *Perspectives on Moral Responsibility*, Cornell University Press, Ithaca and Landon, 1993.

### **b) Philosophy of Human Rights (2 Credits per week)**

1. A Definition and Nature of Human Rights
2. The Idea of Human Rights: Its Origins and Historical Developments during Ancient period, Modern period and Contemporary period
3. The Idea of Natural Law and Natural Rights: Thomas Hobbes and John Locke.
4. The Natural Rights Tradition: Some Reactions from Jeremy Bentham, Edmund Burke and Thomas Paine
5. Natural Right, Fundamental Right and Human Right
6. Preamble, Fundamental Rights and Duties (Indian Constitution)
7. Contemporary Perspectives: Joel Feinberg—Basic Rights

### **Suggested Readings:**

#### **English:**

- Patrick Hayden (ed.): *The Philosophy of Human Rights*, Paragon House, St. Paul, First Edition, 2001.
- Morton E. Winston (ed.): *The Philosophy of Human Rights*, Wadsworth Publishing Co. Belmont, California, 1989.
- Jeremy Waldron (ed.): *Theories of Rights*, Oxford University Press, Oxford, 1984
- Ashwani Peetush and Jay Drydyk: *Human Rights: India and West*, Oxford University Press, New Delhi, 2015.
- James Nickel: *Making Sense of Human Rights*, Blackwell Publishing, Oxford, 2007.
- Henry Shue: *Basic Rights: Subsistence, Affluence and U. S. Foreign Policy*, Princeton University Press, Princeton, 1980.
- Gary, B. Herbert: *Philosophical History of Human rights*, Transaction Publishers, New Jersey, 2002.
- Michael Freedon: *Rights*, Worldview Publications, New Delhi, 1998.

- Lynn Hunt: *Inventing Human Rights: A History*, Norton & Company, New York, 2007.
- Jack Donnelly: *Universal Human rights in Theory and Practice*, Manas Publications, New Delhi, 2013.

### Semester-wise Course for B.A.(General)

	Sem-1	Sem-2	Sem-3	Sem-4	Sem-5	Sem-6
<b>Core Course (CC)</b>	2TH+2T U CC-1	2TH+2T U CC-2	2TH+2TU CC-3	2TH+2T U CC-4		
<b>Language (LCC)</b>			1TH+1TU LCC1(1)	1TH+1T U LCC2(1)	1TH+1TU LCC1(2)	1TH+1TU LCC2(2)
<b>Generic Elective (GE)</b>	1TH+1T U GE-1	1TH+1T U GE-2				
<b>Discipline Specific Elective (DSE)</b>					2TH+2TU DSE-A (1A+2A)	2TH+2TU DSE-B (1B+2B)
<b>Ability Enhancement Compulsory Course (AECC)</b>	1TH+0T U AECC-1	1TH+0T U AECC-2				
<b>Skill Enhancement Course (SEC)</b>			1TH+0TU SEC-A	1TH+0T U SEC-B	1TH+0TU SEC-A	1TH+0TU SEC-B
<b>Total No. of Courses and Marks</b>	4 x 100 = 400	4 x 100 = 400	4 x 100 = 400	4 x 100 = 400	4 x 100 = 400	4 x 100 = 400
<b>Total Credits</b>	20	20	20	20	20	20

TH = Theory T = Tutorial

- ❖ CC/LCC/GE/DSE : Each Theory and Tutorial Course have 5 and 1 Credit(s) respectively
- ❖ CC : 4 Courses each form 2 subjects (one course from each subject under each semester)
- ❖ LCC : LCC1-English courses; LCC2-MIL/Alternative English
- ❖ GE : Two courses from one subject different from core subjects including LCC
- ❖ DSE : 2 Courses each from 2 subjects
- ❖ AECC/SEC : Each Course has 2 Credits
- ❖ AECC-1 : Communicative English / MIL; AECC-2 : Environmental Studies



## University of Calcutta

### BA (General)-CBCS Syllabus in Philosophy, 2018

- A. Core Courses [Four courses; Each course: 6 credits (5 theoretical segment+ 1 for tutorial-related segment). Total: 24 credits (Th 5×15weeks=75 ; Tutorial 1×15 weeks= 15)]
- B. Discipline Specific Elective [Four courses; Each course: 6 credits (5 theoretical segment+ 1 for tutorial-related segment). Total: 24 credits (Th 5×15weeks=75 ; Tutorial 1×15 weeks= 15)]
- C. Generic Elective [Two courses; Each course: 6 credits (5 theoretical segment+ 1 for tutorial-related segment). Total: 12 credits (Th 5×15weeks=75 ; Tutorial 1×15 weeks= 15)]

Core courses of 'General syllabus' will be treated as Generic Elective (GE) of 'Honours Syllabus'.

- D. Skill Enhancement [Two courses from each subject; Each course: 2 credits (No Tutorial segment). Total: 04 credits (2×15weeks =30)]

- Each course (CC& DSE) carries 80 marks and Minimum 80 classes (SEC-60).
- 65 marks for theoretical segment: 55 marks for descriptive questions + 10 marks for 1 mark questions.
- Skill Enhancement course carries 80 marks and minimum 50 classes: 80 marks for theoretical segment, there is no tutorial segment.
- Question Pattern for descriptive segment of 55 marks: 5 short questions out of 8 (5x5 = 25) + 2 questions out of 4(15 x 2 = 30).
- 15 marks for tutorial [The topics (within the syllabus) are to be decided by the concerned faculty of respective colleges.]

#### IMPORTANT NOTES:

- Cited advanced texts in Bengali are not necessarily substitutes, but supplementary to the English books.
- The format is subject to the common structural CBCS format of the University.

- The Skill enhancement course, based on the UGC Guidelines, have the common goal of developing specific skills of students of the discipline for better employment opportunities.

### **Semester 1**

**PHI-G-CC-1 Indian Epistemology and Metaphysics**

### **Semester 2**

**PHI-G-CC-2 Western Epistemology and Metaphysics**

### **Semester 3**

**PHI-G-CC-3 Western Logic**

### **Semester 4**

**PHI-G-CC-4 Philosophy of Mind**

### **Discipline Specific Elective**

#### **Semester 5**

**PHI-G-DSE-A**(Any one from the following options)

**a)Ethics : Indian and Western**

**b)Social and Political Philosophy**

#### **Semester 6**

**PHI-G-DSE-B** (Any one from the following options)

**a)Applied Ethics and Philosophy of Religion.**

**b)Contemporary Indian Thought**

### **Skill Enhancement Elective course:**

**PHI-G-SEC-A**(Any one from the following options either in Semester 3 or in Semester 5)

**a)Logical Reasoning and Application**

**b)Business Ethics**

**PHI-G-SEC-B** (Any one from the following options either in Semester 4 or in Semester 6)

**a)Man and Environment**

**b)Value Education**



## Semester 1

### PHI-G-CC-1 Indian Epistemology and Metaphysics (6 Credits per week)

- A. Cārvāka Epistemology: Perception as the only source of knowledge; Refutation of Inference and Testimony as source of knowledge.
- B. Nyāya Epistemology: The nature of perception; laukikasannikarṣa; Determinate (savikalpaka) and Indeterminate (nirvikalpaka): anumāna; sādhya, pakṣa, hetu, vyāpti, parāmarśa and vyāptigraha. Svārthānumiti and parārthānumiti, pañcāvayavīnyāya.
- C. Vaiśeṣika Metaphysics: Categories – dravya, guna, karma, sāmānya, viśeṣa, samavāya and abhāva.
- D. Advaita Metaphysics: Brahman, māyā, The relation between jīva and Brahman.

### Suggested Readings:

#### English:

- A Critical Survey of Indian Philosophy: C.D. Sharma
- An Introduction to Indian Philosophy: D. M. Dutta & S.C. Chatterjee

#### Bengali:

- Bharatiya Darshan: Nirodbaran Chakraborty
- Lokayata Darshan: Debiprasad Chatoopadhyay
- Nyaya-Vaisesika Darshan: Karuna Bhattacharya
- Bharatiya Darshan: Samarendra Bhattacharya

## Semester 2

### PHI-G-CC-2 Western Epistemology and Metaphysics (6 Credits per week)

- A. Different senses of 'Know'. Conditions of Propositional Knowledge, Origin of Concepts. Concept Rationalism-Views of Descartes and Leibniz, Concept Empiricism –Views of Locke, Berkeley and Hume.

- B. Theories of the origin of Knowledge: Rationalism, Empiricism, Kant's Critical Theory.
- C. Realism: Naive Realism, Locke's Representative, Realism, Subjective Idealism (Berkeley).
- D. Causality: Entailment Theory, Regularity Theory.
- E. Mind- Body Problem: Interactionism, Parallelism and the Identity Theory.

### **Suggested Readings:**

#### **English:**

- An Introduction to Philosophical Analysis: J. Hospers
- An Introduction to Philosophy: Shibapada Chakraborty

#### **Bengali:**

- Paschatya Darshan O Yuktivijnan: Ramaprasad Das
- Pashchatya Darshaner Ruparekha: Ramaprasad das o Sibapada Chakrabarty
- Paschatya Darshan O Yuktivijnan: Samir Kumar Chakrabarty
- Paschatya Darshan: Samarendra Bhattacharyya

### **Semester 3**

#### **PHI-G-CC-3 Western Logic (6 Credits per week)**

- A. Introductory topics: Sentence, proposition, argument, truth and validity.
- B. Aristotelian classification of categorical propositions, distribution of terms. Existential Import, Boolean interpretation of categorical propositions. Immediate inference. Immediate inference based on the square of opposition, conversion, obversion and contraposition.
- C. Categorical syllogism: Figure, mood, rules for validity, Venn Diagram method of testing validity, fallacies.
- D. Symbolic Logic: Use of symbols, Truth-functions: Negation, Conjunction, disjunction, implication, equivalence.
- E. Tautology, Contradiction, Contingent statement forms. Construction of truth-table, using truth-tables for testing the validity of arguments and statement forms.

F. Mill's methods of experimental inquiry.

### **Suggested Readings**

#### **English:**

- Introduction to Logic (13th edn): I.M. Copi and C. Cohen

#### **Bengali:**

- Paschatya Darshan O Yuktivijnan: Ramaprasad Das
- Paschatya Darsan O Yuktivijnan: Samir Kumar Chakrabarty

### **Semester 4**

#### **PHI-G-CC-4Philosophy of Mind. (6 Credits per week)**

- A. Sensation: What is sensation? Attributes of sensation. Perception: What is perception? Relation between sensation and perception, Gestalt theory of perception, illusion and hallucination.
- B. Consciousness: Conscious, Subconscious, Unconscious, Evidence for the existence of the Unconscious, Freud's theory of dream.
- C. Memory: Factors of memory, Laws of association, Forgetfulness. Learning: The trial and Error theory, Pavlov's Conditioned Responsetheory, Gestalt theory.
- D. Intelligence: Measurement of Intelligence, I.Q., Test of Intelligence, Binnet-Simon test.

### **Suggested Readings**

#### **English:**

- A Textbook of Psychology: Pareshnath Bhattacharya
- Introduction to Psychology: G.T.Morgan
- A Modern Introduction to Psychology: Rex Knight & M. Knight

#### **Bengali:**

- Manovidya: Priti Bhusan Chattopadhyay
- Manividya: Paresh Nath Bhattacharya
- Manovidya: Ira Sengupta

### **Semester 5**

#### **PHI-G-DSE-A**

**Any one from the following options**

**a) Ethics: Indian and Western (6 Credits per week)**

- A. Four Purusarthās – dharma, artha, kāma and mokṣa and their interrelation. Karma (Sakāma&Niṣkāma), Cārvāka Ethics.
- B. Buddhist Ethics: The Four Noble Truths and the Eight-Fold Path.
- C. Moral and Non-Moral Actions, Object of Moral Judgement.
- D. Teleological Ethics: Utilitarianism (Bentham and Mill)  
Deontological Ethics: Kant's Moral Theory.
- E. Theories of Punishment.

**Suggested Readings:**

**English:**

- The Fundamentals of Hinduism- A Philosophical Study: S. C. Chatterjee
- The Ethics of Hindus: S.K. Maitra
- Principles of Ethics: P.B. Chatterjee
- A Manual of Ethics: J. S. Mackenzie
- Ethics: W. Frankena
- An Introduction to Ethics: W. Lillie

**Bengali:**

- Nitishastra: Dikshit Gupta
- Nitividya: Somnath Chakraborty
- Nitividya: Samarendra Bhattacharya
- Nitividyar Tattvakatha: Somnath Chakraborty
- Nitividya: Sanjib Ghosh

**b) Social and Political Philosophy (6 Credits per week)**

- A. Relation between Social Philosophy and Political Philosophy
- B. Primary Concepts: Society, Community, Association, Institution, Family.
- C. Social Class and Caste: Principles of Class and Caste; Marxist conception of class; Class Attitudes and Class consciousness
- D. Social Codes and Sanctions; Custom and Law; Culture and Civilisation.
- E. Social Changes: Marx and Gandhi.
- F. Political Ideals: Democracy: Its Different Forms. Socialism: Utopian and Scientific Socialism.

**Suggested Readings:**

**English:**

- Fundamentals of Sociology : P. Gisbert
- Outlines of Social Philosophy : J. S. Mackenzie
- Problems of Political Philosophy : D. D. Raphael

- Society : R. M. MacIver & C. H. Page
- Sociology : M. Ginsberg
- Sociology : Tom Bottomore
- Sociology : S. N. Shankara Rao
- Sociology : D. C. Bhattacharya
- Sociology : P.B. Kar
- Guide to Modern Thought : C. E. M. Joad
- Introduction to Modern Political Theory: C.E.M. Joad
- The Evolution of Political Philosophy of Gandhi: Buddhadeb Bhattacharya
- Social and Political Thought of Gandhi: Jayantanuja Bandyopadhyay
- Religion in India: T.N.Madan(ed.)
- Religion and society: S. Radhakrishnan
- Secularism in the present Indian Society: Amal Kumar Mukherjee
- Secularism and its Critics: Rajeev Bhargava(ed.)
- Unravelling the Nation-Secular conflict and india's Secular Identity: Kaushil Basu & Sanjay Subramaniam (ed.)
- India as a Secular State: D.E. Smith
- The Philosophy of Mahatma Gandhi: D. M. Dutta
- The Philosophy of Sarvodaya: K. S. Bharathi
- Communist Manifesto: Karl Marx & Frederick Engels
- Socialism- Utopian and Scientific: F. Engels
- Open Society and Its Enemies: Karl Popper
- The Open Philosophy and The Open Society: M. Cornforth
- Political Thought: C. L. Wayerper
- Political Philosophy- An introduction W. T. Blackstone
- Western Political Thought: Brian R. Nelson

### **Bengali:**

- Samaj Darshan Dipika: Pritibhusan Chattopadhyay
- Samaj Tattva: Parimal Bhusan Kar
- Samaj Tattve: T. Bottomore
- Bisay Samaj Darshan: Anadi Kumar Mahapatra
- Samjadarshan O Rashtradarshaner Parichoy: A. K. Mahapatra O P.Mukherjee
- Rashtradarshaner Dhara: Amal Kumar Mukhopadhyay
- Samyabader Istehar: Marx O Engels
- Samajtantra-Kalponik O Baijnanik: F. Engels
- Marxiya Rashtrachinta: Shovan Lal Dutta Gupta
- Sarvodaya Andoloner Itihas: Gurudas Bandyopadhyay
- Gandhi Rachanasambhar: M.K.Gandhi

**PHI-G-DSE-B****Any one from the following options****a) Applied Ethics and Philosophy of Religion. (6 Credits per week)**

- A. Concepts of Applied Ethics.
- B. Killing: Suicide, Euthanasia.
- C. Famine, Affluence and Morality.
- D. Environmental Ethics: Value Beyond Sentient Beings, Reverence for life, Deep Ecology.
- E. Nature & Concerns of Philosophy of Religion. Argument for the existence of God: Cosmological argument, Ontological argument and Teleological argument.
- F. Problem of Evil and Suffering.
- G. Grounds for disbelief in God: Sociological theory of Durkheim, Freudian Theory, Cārvāka View.

**Suggested Readings:****English:**

- Practical Ethics: Peter Singer
- Applied Ethics: Peter Singer (ed)
- Philosophy of Religion: M. Edwards
- The Idea of God: Pringle Patison
- Atheism in Indian Philosophy: D. P. Chatterjee
- Philosophy of Religion: J. Hick
- An Introduction to the Philosophy of Religion: Brian Davies
- Indian Philosophy of Religion: A. Sharma

**Bengali:**

- Vyavaharik Nitivijnan: N. Nandy & M. Bal
- Dharma Darshan: A. Bandyopadhyay O K.C. Gupta
- Dharma Darshan : Rabindranath Das
- Dharma Darshan: Sushil Kumar Chakraborty
- Bharatiya Dharmaniti: Amita Chattopadhyay (Sampadita)
- Bharatiya Darshane Nirishvarvada: B. B. Purakayastha (pp39-50,56-66)

**b) Contemporary Indian Thought (6 Credits per week)**

- i) Swami Vivekananda: Nature of Man, Nature of Religion, Ideal of

universal religion, Practical Vedānta

ii) M.K. Gandhi : Nature of man, non-violence, satyāgraha, theory of trusteeship

iii) B.R. Ambedkar: Critique of social evils, Dalit movement

### Suggested Readings:

#### English:

- Practical Vedanta (Vol II, pp. 291—358): Swami Vivekananda
- Swami Vivekananda as a Philosopher: J.L. Shaw
- The Philosophy of Swami Vivekananda : Pradip Kumar Sengupta
- The Philosophy of Mahatma Gandhi: D.M. Dutta
- The Philosophy of Sarvodaya: K.S. Bharati
- Gandhi's Political Philosophy: Bhikhu Parekh
- Dr. Ambedkar – Life & Mission: Dhananjay Keer
- Social Philosophy of B. R. Ambedkar: D.R. Jatava

#### Bengali:

- Chintanayak Vivekananda: Swami Lokeshwarananda (ed)
- Visva—Vivek: Asit Kr Bandyopadhyay, Shankari Prasad Basu, Shankar.
- Sarvodaya Andoloner Itihas: Gurudas Bandyopadhyay
- Gandhi Parikrama: Sailesh Kumar Bandyopadhyay

### Skill Enhancement Elective course

**PHI-G-SEC-A** (Any one from the following options either in Semester 3 or in Semester 5)

#### a) Logical Reasoning and Application (2 Credits per week)

1. The main objective of logical reasoning.
2. Definitions: Pakṣa, sādhyā, hetu, sapakṣa and Vipakṣa.
3. Construction of kevalānvayī, kevalavyātirekī anvayvyātirekī anumiti.
4. Hetvābhāsa and its different kinds, detection of hetvābhāsa.
5. Reasoning in practice:

i) Fallacy of relevance, Fallacies of ambiguity, Fallacies of weak induction, Avoiding fallacies

ii) Logical applications of the concept of pakṣatā

iii) Functional applications of ordinary operative relations between sense-organs and respective objects.

6. Inductive reasoning in Law

(i) The method of Inquiry in Law

- (ii) Causation in Legal reasoning
- (iii) Analogical Reasoning in legal argument
- (iv) Probability in legal argument.

#### 7. Deductive Reasoning in Law

- (i) Determining the correct rule of Law
- (ii) Identifying, formulating, and applying rules of law.
- (iii) The law of libel
- (iv) Logic is right reasoning

### **Suggested Readings:**

#### **English:**

- Introduction to Logic (9<sup>th</sup> Edition) : I. M. Copi & C. Cohen, Prentice Hall of India Pvt. Ltd., New Delhi, 1999.
- The Elements of Logic (5<sup>th</sup> Edition): S.F. Barker, McGraw-Hill Book Company, 1988.
- Introduction to Logic : P.J. Hurley, Wadsworth, 2007.
- Tarkasaṅgraha: Annambhatta
- Word and the World: B.K. Matilal
- Tarkasaṅgraha: M.R. Bodas & Y.V. Athalye (tr. & ed.)
- The Concept of Logical Fallacies: Nandita Bandyopadhyaya

#### **Bengali:**

- Tarkasaṅgraha with Dipika: Narayan Chandra Goswami
- Tarkasaṅgraha with Dipika: Indira Mukhopadhyay
- Tarkasaṅgraha with Dipika: Panchanan Shastri
- Tarkasaṅgraha with Dipika: Kanailal Poddar

### **b) Business Ethics**

#### 1. Why Study Business Ethics?

- i) Ethical Issues in business
- ii) Ethical principles in business

#### 2. Environment and Business Ethics

- i) Business ethics and environmental values
- ii) Ethics of conserving depletable resources

#### 3. Ethics in Management

- i) Management by Value Programmes: a qualitative appraisal
- ii) Ethical vision of Management : A Vedantic outline

### **Suggested Reading:**

#### **English:**

1. Business Ethics (7th edition) : Manuel G. Velasquez (Chapter 1, 2 & 5)
2. Ethics in Management : S. K. Chakraborty (Chapter 1 & 5)
3. Management by Values - towards cultural congruence : S.K. Chakraborty



4. Management Ethics-integrity at work: J.A.Patrick & John F. Quinn
5. Business Ethics and Corporate Governance, Pearson Education India
6. Business Ethics-an introduction to the ethics of values: Lucjan Klimsza

**PHI-G-SEC-B** (Any one from the following options either in Semester 4 or in Semester 6)

**a) Man and Environment (2 Credits per week)**

**A. Classical Indian Attitude to Environment**

- i) The Upanisadic world-view, ii) Tagore's understanding of nature, iii) The post-Upanisadic view of nature

**B. Respect for Nature**

- i) The attitude of respect, ii) Bio-centric outlook to nature, iii) Ethical standards and rules that follow from the attitude of respect to nature, iv) The idea of inherent worth of nature.

**C. Intrinsic Value of nature**

- i) Moore's talk of 'intrinsic properties', ii) Chilsom's idea of intrinsic value, iii) Attfield on the intrinsic value of nature, iv) Callicott's idea of intrinsic value of nature, v) Rolston III on intrinsic value of nature, vi) intrinsic value and objective value

**D. Deep Ecology and its Third World Critique**

- i) Arne Naess on Deep Ecology, ii) Ramchandra Guha's critique of Deep Ecology

**E. Eco-feminism**

- i) Understanding nature and the feminine, ii) Dualisms in Western tradition, iii) Masculinity, humanity and nature.

**Suggested Readings**

**English:**

1. 'Attitudes to Nature' John Passmore, Environmental Ethics (ed.) Robert Elliot, Oxford University Press, Oxford, 1998
2. Sadhana (first Chapter), Rabindranath Tagore, Macmillan, New York, 1915

3. Respect for Nature: A Theory of Environmental Ethics (Select Parts), Paul Taylor, Princeton University Press, Princeton, 1986
4. 'Intrinsic value, Environmental Obligation and Naturalness', Robert Elliot, *Monist*, 1975
5. 'The Shallow and the Deep, Long-Range Ecology Movements: A Summary', Arne Naess, *Inquiry*, 1973
6. Nature, Self and Gender: Feminism, Environmental Philosophy and the Critique of Rationalism, Val Plumwood, *Environmental Ethics* (ed.) Robert Elliot, Oxford University Press, Oxford, 1998

**Bengali:**

7. Paribesh o Naitikata, Nirmalya Narayan Chakraborty, Progressive Book Forum, Kolkata, 2002

**b) Value Education (2 Credits per week)**

- a) Meaning, Characteristics, significance and objectives of Value education
- b) Values in different contexts: Individual, Social, Cultural, Moral and Global and Spiritual.
- c) Meaning and Characteristics of Peace education
- d) Aims and Objectives of Peace Education
- e) Types of peace education
- f) Peace and Value Education in Global Perspective.

**Suggested Readings:**

**English:**

- Introduction to Peace Studies: David P. Barash Belmont
  - 'International Relations', in *The English Writings of Rabindranath Tagore: A Miscellany*, (ed) Sisir Kumar Das: Rabindra Nath Tagore.
  - *Handbook of Peace and Conflict Studies*: Charles Webel and Johan Galtung (eds.).
  - *Peace and Value Education*: Babu Muthuja.
  - *Philosophy of Value*: Aditya Mohanty
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