

# Presidency University

## Department of Philosophy

### Proposed Syllabus for PG Course in Philosophy

#### Sem. 7

|                     |   |       |       |
|---------------------|---|-------|-------|
| PHIL 0701: Paper 17 | Indian Epistemology and Tarkavidya          | 35+15 | Marks |
| PHIL 0702: Paper 18 | Western Epistemology                        | 35+15 | Marks |
| PHIL 0703: Paper 19 | Western Logic 1                             | 35+15 | Marks |
| PHIL 0704: Paper 20 | Western Metaphysics                         | 35+15 | Marks |
| PHIL 0781: Paper    | Sessional 5 -Presentation/seminar/work shop | 50    | Marks |

#### Sem. 8

|                     |  |       |       |
|---------------------|--|-------|-------|
| PHIL 0801: Paper 21 | Western Logic 2                            | 35+15 | Marks |
| PHIL 0802: Paper 22 | Indian Metaphysics                         | 35+15 | Marks |
| PHIL 0803: Paper 23 | Social and Political Philosophy            | 35+15 | Marks |
| PHIL 0804: Paper 24 | Western Ethics                             | 35+15 | Marks |
| PHIL 0881: Paper    | Sessional 6 Presentation/seminar/work shop | 50    | Marks |

#### Sem. 9

|                     |  |       |       |
|---------------------|--|-------|-------|
| PHIL 0901: Paper 25 | Theories of Truth                          | 35+15 | Marks |
| PHIL 0902: Paper 26 | Linguistic Turn                            | 35+15 | Marks |
| PHIL 0903: Paper 27 | Optional Courses                           | 35+15 | Marks |
| PHIL 0904: Paper 28 | Optional Courses                           | 35+15 | Marks |
| PHIL 0981: Paper    | Sessional 7 Presentation/seminar/work shop | 50    | Marks |

#### Sem. 10

|                     |  |       |       |
|---------------------|--|-------|-------|
| PHIL 1001: Paper 29 | Phenomenology and Existentialism           | 35+15 | Marks |
| PHIL 1002: Paper 30 | Modern Indian Thoughts                     | 35+15 | Marks |
| PHIL 1003: Paper 31 | Optional Courses                           | 35+15 | Marks |
| PHIL 1004: Paper 32 | Optional Courses                           | 35+15 | Marks |
| PHIL 1081: Paper    | Sessional 8 Presentation/seminar/work shop | 50    | Marks |

#### Optional Courses

|                     |                                       |       |       |
|---------------------|---------------------------------------|-------|-------|
| PHIL 0903: Paper 27 | Optional Courses                      | 35+15 | Marks |
| 27.1                | Rational Foundations of Mathematics 1 |       |       |
| 27.2                | Western Logic 1                       |       |       |

- 27.3 Advaita Vedanta 1
- 27.4 Nyaya 1
- 27.5 Indian Logic 1
- 27.6 Indian Philosophy of Language 1
- 27.7 Western Philosophy of Language 1: Syntax
- 27.8 Applied Ethics 1
- 27.9 Feminist philosophy 1
- 27.10 Philosophy of Mind 1, Metaphysics of Mind
- 27.11 Philosophy of Science 1
- 27.12 Formal Semantics

**PHIL 0904: Paper 28 Optional Courses**

**35+15 Marks**

- 28.1 Rational Foundations of Mathematics 2
- 28.2 Western Logic 2
- 28.3 Advaita Vedanta 2
- 28.4 Nyaya 2
- 28.5 Indian Logic 2
- 28.6 Indian Philosophy of Language 2
- 28.7 Western Philosophy of Language 2: Semantics
- 28.8 Applied Ethics 2
- 28.9 Feminist Philosophy 2
- 28.10 Philosophy of Mind 2
- Representational Mind and Philosophy of Artificial Intelligence
- 28.11 Philosophy of Science 2
- History of Science: Early Modern to Contemporary Science
- 27.12 Formal Semantics 2

**PHIL 1003: Paper 31 Optional Courses**

**35+15 Marks**

- 31.1 Rational Foundations of Mathematics 3
- 31.2 Western Logic 3
- 31.3 Advaita Vedanta 3
- 31.4 Nyaya 3
- 31.5 Indian Logic 3
- 31.6 Indian Philosophy of Language 3
- 31.7 Western Philosophy of Language 3: Pragmatics
- 31.8 Applied Ethics 3
- 31.9 Feminist Philosophy 3
- 31.10 Philosophy of Mind 3
- Consciousness
- 31.11 Philosophy of Science 3
- Social History of Science
- 31.12 Formal Semantics 3

**PHIL 1004: Paper 32 Optional Courses**

**35+15 Marks**

- 32.1 Rational Foundations of Mathematics 4
- 32.2 Western Logic 4
- Philosophical Issues
- 32.3 Advaita Vedanta 4

**32.4 Nyaya 4**  
**32.5 Indian Logic 4**  
**32.6 Indian Philosophy of Language 4**  
**32.7 Western Philosophy of Language 4: Language and Continental Philosophy**  
**32.8 Applied Ethics 4**  
**32.9 Feminist Philosophy 4**  
**32.10 Philosophy of Mind 4**  
**Contemporary Issues in Philosophy of Mind**  
**32.11 Philosophy of Science 4**  
**Science in India**  
**32.12 Formal Semantics 4**

## Sem. 7

### PHIL 0701: Paper 17 Indian Epistemology and Tarkavidya

35+15 Marks

- a. Vedanta Paribhasa : Jnanagata and Visayagata pratyaksatva
- b. Vivarana Prameya Samgraha: Akhyativada and its rejection by Vidyaranya Muni.
- c. Nyaya Sutra of Gautama with Nyaya Bhasya : Clarification of the concept of pramana-samplava and pramana-vyavastha; pratyaksa-laksana and the efficacy of its defining terms ( Nyaya Sutra 1.1.3, 1.1.4)
- d. i)Tarkasamgraha-Dipika: Paratahpramanyavada and svatahpramanyavada-Budhdhist and Vedanta theories.  
ii)Bhasapariccheda with Muktavali: Paratahpramanya- pariksa

#### Suggested Readings:

- *Epistemology of Prachina and Navya Nyaya*- S.R. Saha
- *Nyaya O Mimamsa-sammata Pramanyavicara* – Jogendranath Bagchi, Sanskrit Pustak Bhandar
- *Nyaya Darsana(Goutama Sutra with Vatsayana Bhasya )*( translated and annotated in Bengali by Phanibhusan Tarkabagish) , West Bengal State Book Board.
- *Vedanta Paribhasa - Dharmaraja-dhvarindra* ( annotated in Bengali by Pancanan Sastri), Sanskrit Pustak Bhandar
- *Vedantaparibhasa*, Pandit Srimohana Tarkavedantatirtha (Bengali Trans.)
- *Vedantaparibhasa*, (English trans. With elucidations by Gopinath Bhattacharya and Prabal Kumar Sen, to be published in July, 2013)
- *Vedanta Paribhasa-Dharmraja-dhvarindra( with Paribhasa-Sangraha Tika in Sanskrit by Pt. Pancanan Sastri),Pt.Pancanan Sastri*
- *Tarka Samgraha with Dipika-Annambhatta* ( translated and annotated in Bengali by Pt. Pancanan Sastri) , Pt. Pancanan Sastri
- *Tarka Samgraha with Dipika-Annambhatta* ( translated and annotated in English by Gopinath Bhattacharya), Progressive Publishers
- *Tarka Samgraha with Dipika-Annambhatta* (annotated in Bengali by Narayan Goswami), Sanskrit Pustak Bhandar
- *Bhasapariccheda with Muktavali* by Visvanatha Nyayapancanan (translated , annotated in Bengali with Muktavali-Samgraha tika in Sanskrit by Pancanan Sastri), Pt. Pancanan Sastri(ed)
- *Vivarana Prameya Samgraha* by Vidyaranya Muni (translated and annotated in Bengali by Pramathanath Tarkabhusan), Basumati Sahitya Mandir
- *Perception*- B.K Matilal ,Oxford University Press

## Sem. 7

### PHIL 0702: Paper 18 Western Epistemology 35+15 Marks

- a. *Immanuel Kant's Critique of Pure Reason* - N.K. Smith ( From Introduction to Transcendental Deduction)
- b. Some issues in epistemology:
  - i) Nature & definition of knowledge ,Gettier Problem and Chisholm's response;
  - ii) Scepticism & the possibility of knowledge;
  - iii) Justification of knowledge claim, Internalist theories of justification: Foundationalism, Coherentism, Reliabilism.

#### Suggested Readings:

- *Immanuel Kant's Critique of Pure Reason* - N.K. Smith, Palgrave MacMillan
- *Kant's Metaphysics of Experience*: H.J. Paton, London: Routledge, 2002
- *Kant*- Stephen Korner, Yale University Press,1982
- *Kant's Theory of Knowledge* – Sandhya Basu, Papyrus
- *Justification: Concepts and Theories* – Sandhya Basu, Progressive
- *Kant's Theory of Synthetic Apriori*- Jolly Ghosh
- *Kant*-P. Guyer, Routledge, 2006.
- *Routledge Philosophy Guidebook to Kant and the Critique of Pure Reason*- Sebastian Gardner, Routledge,1999,
- *Kant: An Introduction*- C.D. Broad, Cambridge University Press, 1978.
- *Handbook to Kant's Critique* – Rasvihary Das
- *Ignorance: A Case for Scepticism*- P. Unger, Clarendon Press, 1975.
- *Contemporary Theories of Knowledge*- J.L. Pollock, Boston: Rowman & Littlefield Publishers Inc., 1999.
- *Theory of Knowledge* - K. Lehrer, Routledge,1990
- *Theory of Knowledge* - R. Chisholm (3<sup>rd</sup> Edn.), Prentice-Hall, 1977.
- *The Problem of Knowledge*-A.J. Ayer, Penguin, 1961.
- *Introduction to Contemporary Epistemology*-J. Dancy, Blackwell
- *Philosophy*- A.C. Grayling (ed.) Vol.1
- *A Companion to Epistemology*-Dancy & Sosa, Blackwell,1992
- *Evidence and Truth*- Sutapa Saha, Jadavpur Studies and Allied Publishers
- *Epistemic Justification: Essays in the Theory of Knowledge*- W. Alston, Cornell, U. Press, 1989
- *Belief, Justification and Knowledge*-Robert Audi, Wadsworth Pub. Co., 1988.
- *A Short Commentary in Kant's Critique of Pure Reason*, A.C. Euring

## Sem. 7

### PHIL 0703: Paper 19 Western Logic 1 35+15 Marks

- a. Truth-tree method.
- b. Intuitive set theory: definition, basic operations, set identities, Relations, and Functions, properties of Relations.
- c. Quantification theory: Multiple general propositions, techniques of symbolisation, quantification rules, proof construction, logical truths involving quantifiers, proving invalidity.

#### Suggested Readings:

- *Symbolic Logic*-I.M. Copi (Ch.3.4-3.7,4,5),1979, Pearson Prentice Hall,Delhi
- *Formal Logic: Its Scope and Limits*-R. Jeffrey (Ch.4)
- *Introduction to Logic*-P. Suppes (Ch.9)
- *Introduction to Symbolic Logic*- Basson & O'Connor
- *Understanding Symbolic Logic*- V. Klenk, 2008, Pearson Prentice Hall
- *Logic and Proof Techniques*- R.A. Eberle

## Sem. 7

### PHIL 0704: Paper 20 Western Metaphysics 35+15 Marks

- a. i) Metaphysics: Aristotle ( Scope of Metaphysics, Cause, Substance )  
Recommended Text: *Aristotle's Metaphysics* , ed. & tr. J. Warrington. London: Dent, 1961.
- ii) Later developments of certain Aristotelian concepts:  
Nature of Metaphysics (The Theory of Descriptive Metaphysics of P. F. Strawson)  
Substance (Different Categories of 'Being': substance and properties, Bundle Theories of Substance versus Substratum theory)
- b. Cartesian view and later development on Dream argument, God, Truth and Error

#### Suggested Readings:

- *Aristotle*- W.D. Ross, Routledge,2004.
- *The Complete Works of Aristotle*-J. Bernes (ed.) [2 vol.s]
- *A New Aristotle Reader*-J.L. Ackrill (ed.), New Jersey: Princeton University Press, 1987.

- *Sameness and Substance*-David Wiggins, Oxford: Blackwell, 1980.
- *Sameness and Substance: Renewed*-David Wiggins, Cambridge: Cambridge University Press, 2001.
- *Nominalism and Realism: Universals and Scientific Realism, vol. 1* –D. M. Armstrong, Cambridge: Cambridge University Press, 1978.
- *Universals: An Opinionated Introduction*- D.M. Armstrong, Colorado: Westview Press, 1989.
- ‘On the Elements of Being’ 1&2- D.C. Williams in *Review of Metaphysics* 7 (1953)
- ‘Substance Substantiated’- C. B. Martin in *Austrasian Journal of Philosophy* 58 (1980).
- *Abstract Particulars*- K. Campbell, Oxford: Blackwell,
- *Metaphysics*-D.W.Hamlyn, Cambridge University Press, 1984
- *Meditations*-R. Descartes, F.E. Suttcliffe(trans) OUP,
- *Descartes Against the Skeptics*-E.M. Curley, Oxford: Basil Blackwell
- *Descartes*-John Cottingham, Oxford: Basil Blackwell
- *Descartes: The Project of Pure Inquiry*-B. Williams, 1978, Harvester Press.
- *Universal: An Opinionated Introduction*- D.M. Armstrong
- *Metaphysics: Contemporary Readings*- David Hales (ed.)
- *Individuals*- P.F. Strawson, London: Methuen, 1959.
- *Philosophy* (vol.1)- A.C. Grayling (ed.), 1995, Oxford: OUP
- *Metaphysics: A Contemporary Introduction*-Lous (ed.)

### Sem. 7

**PHIL 0781:**

**Paper Sessional 5**

**50 Marks**

Presentation/seminar/work shop

### Sem. 8

**PHIL 0801: Paper 21**

**Western Logic 2**

**35+15 Marks**

- a) The logic of relations: symbolising relations, arguments involving relations, some attributes of relation, identity.
- b) Problem of Entailment:
  - i) Bertrand Russell
  - ii) C.I. Lewis
  - iii) Strawson
  - iv) Non-Classical Logicians

Suggested Readings:

- *Symbolic Logic*-I.M. Copi (Ch.3.4-3.7,4,5),1979, Pearson Prentice Hall, Delhi.
- *Introduction to Symbolic Logic*- Basson & O'Connor
- *Understanding Symbolic Logic*- V. Klenk, 2008, Pearson Prentice Hall.
- *Logic and Proof Techniques*- R.A. Eberle.
- *Principia Mathematica*, Alfred North Whitehead, Bertrand Russell, Cambridge University Press, Volume I, 1910.
- *The Principles of Mathematics*, Bertrand Russell, Routledge, London, 1903.
- *Symbolic Logic*, C. I. Lewis, and C. H. Langford, The Century Co, New York and London, 1932.
- *A survey of symbolic logic*, C. I. Lewis, 1918, Berkeley University of California Press.
- *Introduction To Logical Theory*, P.F. Strawson, Methuen & Co Ltd., 1952.
- *Entailment: The Logic of Relevance and Necessity*, vol. I, Alan R. Anderson, Nuel D. Belnap, Jr., Princeton University Press, 1975.
- *Entailment: The Logic of Relevance and Necessity*, vol II, Alan R. Anderson, Nuel D. Belnap, Jr. Princeton University Press, 1992,
- *Relevant Logic: A Philosophical Examination of the Basis of Inference*. Basil Blackwell, 1989, Stephen Read.

## Sem. 8

### PHIL o8o2: Paper 22 Indian Metaphysics 35+15 Marks

- a. Padārtha Dharma Samgraha: Sadharmya and Vaidharmya of the seven categories (padārthas), ordering (krama) of categories.
- b. Samkhya Karika with Samkhya-tattvakaumudi : Satkaryavada (karika 9)
- c. Vedānta Paribhāṣa : Selections from Visaya-pariccheda -- Svarūpa and Tātasthā lakṣaṇa of Brahman

#### Suggested Readings:

- *Prasastapadabhasya with Nyayakandali* (translated and annotated in Bengali by Shyamapada Mishra and Damodara Ashrama), Sanskrit Pustak Bhandar
- *Samkhyakarika with Samkhya-tattvakaumudi* (translated and annotated in Bengali by Narayan Goswami), Sanskrit Pustak Bhandar
- *Vedānta Paribhāṣa* - Dharmaraja-dhvarindra ( with Paribhāṣa-Samgraha tika in Sanskrit by Pt. Pancanan Sastri), Pt.Pancanan Sastri (ed)
- *Samkhyamata samikṣa—Yogendranath Bagchi, Darsan Samaj Trust*
- *Indian Realism*-J.N. Sinha
- *Evolution of the Nyaya-Vaisesika Categoriology*-Harsh Narain
- *Studies in Nyaya-Vaisesika Metaphysics--* Sadananda Bhaduri, Bhandarkar Oriental Research Institute, Poona
- *Essays in Analytic Philosophy*-Gopinath Bhattacharya

## Sem. 8

### PHIL 0803: Paper 23: Social and Political Philosophy 35+15 Marks

- a. On Liberty-J.S. Mill (Introduction, Ch.1)
- b. Marxist response to Liberalism
- c. Hegel: *Philosophy of Right*- Tr. & Ed. By T. M. Knox.
- c. Some issues and concerns:
  - i) Indian perspectives on state and society:
    - Arthashastra: State and its constituent elements;
    - Mahabharata: Shantiparva (Rajdharma)

#### Suggested Readings:

- *On Liberty*- J.S. Mill
- *Mill on Liberty*-C.L.Ten
- *J.S. Mill on Liberty in Focus*-John Gray & G.W. Smith (eds.)
- *The Nature of Democracy, Freedom and Revolution* (Ch.3)- Herbert Aptheker, 1969, NY:International Publishers
- *The Life and Times of Liberal Democracy*- Macpherson , 1978, USA: OUP
- *Kautiliya:Arthashastra*- L.N. Rangarajan ( Tr.),1992, Delhi, Penguin Books
- *Mahabharata*- Sukhtankar (Tr.), BORI
- *Mahabharatam(Santiparva)with bharatbhavadeep tika, Haridas Siddhantabagish Bhattacharya(ed)*, Biswavanee Prakasane
- *Mahabharater caturvarga*-Sukhomoy Sastri, Sanskrit College
- Hegel: *Philosophy of Right*- Tr. & Ed. By T. M. Knox.

## Sem. 8

### PHIL 0804: Paper 24 Western Ethics 35+15 Marks

- a. Groundwork of the Metaphysic of Morals-Kant (Selected portions)
- b. Some ethical issues:
  - i) Virtue ethics
  - ii) Utilitarianism: Mill and later developments

iii) Rights, justice and capability

Suggested Readings:

- *Aristotle's Ethics*- David Bostock
- *Groundwork of the Metaphysic of Morals*-H.J. Paton, (tr.& ed.)
- *Kantian Ethics*- Allen Wood , 2007,Cambridge University Press
- *Kant's Theory of Morals*-Bruce Aune
- *Modern Moral Philosophy*-W.D. Hudson, McMillan
- *Virtues and Vices*-Philippa Foot, Blackwell, Oxford
- *Ethics: Inventing Right and Wrong*-J.L. Mackie, Penguin
- *Introductory Ethics*-Fred Feldman, Prentice Hall
- *Utilitarianism: For and Against*-Bernard Williams & J.J. Smart, Cambridge University Press
- *Ethics: The Big Questions*- James P. Sterba, 1998, USA, Blackwell
- *A Theory of Justice*-J. Rawls, Cambridge, Mass: Harvard University
- *Cambridge Companion to Rawls*- Samuel Freeman (ed.)
- *Inequality Reexamined*-Amartya Sen, OUP
- *Virtue Ethics*-Rosaline Hursthouse
- *Charmides and Protagoras*- Plato
- *The Nicomachean Ethics*-Aristotle (Tr. David Ross) , 1925, Oxford: OUP
- *An Enquiry Concerning the Principles of Morals*-D. Hume
- *Morals from Motives*-M. Slote , 2001, Oxford: OUP
- *Virtue Ethics: A Pluralistic View*- C. Swanton, 2003
- "Modern Moral Philosophy " by G.E.M. Anscombe in *Philosophy*, 33, pp-1-19
- *Utilitarianism and Beyond*- Amartya Sen
- *The Idea of Justice*- Amartya Sen
- "Capability and Wellbeing" by Amartya Sen in *The Quality of Life*- M. Nussbaum and A.Sen, NY: Oxford Clarendon Press, 1993

## Sem. 8

**PHIL o881: Paper Sessional 6 50 Marks**

Presentation/seminar/work shop

## Sem. 9

**PHIL 0901: Paper 25 Theories of Truth 35+15 Marks**

1. General Ideas

2. Correspondence theory
3. Coherence theory
4. Pragmatic theory
5. Semantic conception

Suggested Readings:

- Kirkham, Richard L. (1992), *Theories of Truth: A Critical Introduction*, MIT Press, Cambridge, MA.
- Simon Blackburn and Keith Simmons, eds., 1999. *Truth*. Oxford University Press, ISBN 0-19-875250-4.
- James, William (1909), *The Meaning of Truth, A Sequel to 'Pragmatism'*, Longmans, Green, and Company, New York, NY.
- Alfred Tarski, 1944. The Semantic Conception of Truth and the Foundations of Semantics. *Philosophy and Phenomenological Research* 4.

## Sem. 9

**PHIL 0902: Paper 26    Linguistic Turn    35+15 Marks**

- a. Introduction: Linguistic turn
- b. *Tractatus Logico Philosophicus*-Wittgenstein (First four propositions)
- c. The Problem of Reference:
  - i) *On Sense and Referenece*- Frege
  - ii) *Descriptions*- B. Russell
  - iii) *On Referring*- P.F. Strawson
- d) Analyticity and Reductionism:  
*Two Dogmas of Empiricism*- Quine

Suggested Readings:

- *Classics of Analytic Philosophy*- R. Ammerman,(ed.)Tata-McGraw- Hill Publishing Company, Delhi-Bombay, 1965
- *Tractatus Logico Philosophicus*-L.Wittgenstein (tr. D.F. Pears & B.F. McGuinness), Routledge & Keganpaul
- *The Philosophy of Wittgenstein*- G.Pitcher, N.J: Englewood Cliffs, 1964.
- *Wittgenstein*- A. Kenny, (revised edition), Wiley-Blackwell, 2005.
- *An Introduction to Wittgenstein's Tractatus*-G.E.M. Anscombe, Thoemmes Press,1996.
- *A Companion to Wittgenstein's Tractatus*-M.Black, Cornell University Press, 1964.
- 'On Sense and reference' in translations from *Philosophical Writings of Gottlob Frege*- Geach and Max Black , Oxford: Basil Blackwell, 1960
- 'On Denoting' in *Logic and Knowledge*-B. Russell, London:George Allen and Unwin, 1956.

- ‘Descriptions’ - Russell, in *Meaning and Reference* ed. A.W. Moore, New York: Oxford University Press, 1993
- ‘On Referring’ - P. F. Strawson in *Meaning and Reference*, ed. A. W. Moore, New York Oxford University Press.
- ‘Two Dogmas of Empiricism’ in *From a Logical Point of View*- Quine, New York: Harvard and Row,1963.
- *Readings in the Philosophy of Language*- Peter Ludlow (ed.), 1997,Cambridge, M.A: MIT Press
- *Routledge Guidebook to Frege’s Sense and Reference*- Taylor and Mark
- ‘Some Notes on Russell’s Theory of Descriptions’ - P.K. Sen, in *Logic, Induction and Ontology*, Madras: The Macmillan Company of India Ltd. 1980.
- *Philosophy of Language*- A. Miller, Routledge, 2007.
- *Empiricism and the Two Dogmas*- eds. N.N. Chakraborty and Madhucchanda Sen, Rabindra Bharati University, 2006.

### Sem. 9

PHIL 0903: Paper 27 Optional Courses 35+15 Marks

(details mentioned in Annexure I)

### Sem. 9

PHIL 0904: Paper 28 Optional Courses 35+15 Marks

(details mentioned in Annexure II)

### Sem. 9

PHIL 0981: Paper Sessional 7 50 Marks

Presentation/seminar/work shop

### Sem. 10

PHIL 1001:Paper 29 Phenomenology and Existentialism 35+15 Marks

- a. Cartesian Meditation- Husserl (1<sup>st</sup> and 2<sup>nd</sup> Meditations)
- b. Existentialism: its distinctive characteristics.
- c. Basic notions: existence preceding essence; man's being-in the-world; Dasein; being-for-itself; being-in-itself; nothingness; bad faith.
- d. Existence: authentic and non-authentic.

Suggested Readings:

- *Ideas: A General Introduction to Pure Phenomenology*- E. Husserl, tr. W. R. Boyce Gibson, London: George Allen & Unwin Ltd. 1931.
- *The Phenomenological Movement*- E. Spiegelberg
- *Understanding Phenomenology*- David R. Cerbone
- *From Rationalism to Existentialism*- R.C. Solomon.
- *Phenomenology and Existentialism*- R.C. Solomon. (ed.)
- *A Critical Survey of Phenomenology and Existentialism*- M.K. Bhadra, New Delhi: ICPR, 1990.
- *Six Existentialist Thinkers*-H.J. Blackham, (second edition), New York, 1959.
- *Existentialism*- John Macquarrie, Penguin Books, 1973.
- *Existentialism*- M. Warnock
- *Being and Nothingness*-J.P. Sartre
- *Using Sartre*-Macalogue

## Sem. 10

### PHIL 1002: Paper 30 Modern Indian Thoughts 35+15 Marks

- a. M.K. Gandhi : Ahimsa and Satyagraha
- b. Iqbal : Philosophy of Khudi
- c. Rabindra Nath Tagore : Religion of Man
- d. Sri Aurobindo : Sat-cit-ananda; three phases of reality; Integral yoga
- e. K.C. Bhattacharya: Concept of Philosophy
- f. g. B. R. Ambedkar : Philosophy of Hinduism, Concept of Buddhism
- g. S. Radhakrishnan: Idealism
- h. Swami Vivekananda : Practical Vedanta

Suggested Readings:

- *Life Divine* – Sri Aurobindo, 1955, Pondicherry, Sri Aurobindo International Centre of Education
- *Synthesis of Yoga* - Sri Aurobindo, Lotus Press, Twin Lakes, Wisconsin
- *Collected Works of Sri Aurobindo* ,1972, Sri Aurobindo Birth Centenary Library, Sri Aurobindo Ashrama, Pondicherry
- *Sri Aurobindo : the Poet, Yogi and Philosopher* – Aurobindo Bose, Indrani Sanyal (ed.) , Kolkata, Mahabodhi Book Agency & JU

- *Integral Yoga* – Sri Aurobindo
- *Understanding the Thought of Sri Aurobindo* - Kolkata, Jadavpur Studies & D.K. Printers
- *Among the Great: Dilip Kumar Roy* (Chapter on Sri Auribinda)
- *Towards Supermankind: 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*
- *Practical Vedanta: 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*
- *Religion of Man* - R.N. Tagore, 1930, MacMillan Company
- *Manusher Dharma* – R. N. Tagore, Calcutta University Publication
- *Rabidnranath* – Pabitra Roy, 2000, ICPR & Munshiram Monohorlal Das Co.
- *Rabindradarsan* – Pabitra Roy & Sachin Gangopadhyay , 1969, Visvabhararti
- *Truth, Beauty and Art* – Pabitra Roy, 1988, Simla:IIAS
- *Philosophy of Rabindranath Tagore* – S. Radhakrishnan
- *The Philosophy of Rabindranath* – Benoy Gopal Roy
- *Non-violence in Peace and War*- M.K. Gandhi, vol.1,1962, Ahmedabad, Navajiban Publishing House
- *The Story of My Experiments with Truth*- M.K. Gandhi (Eng. Tr.),1940, Ahmedabad, Navajiban Publishing House
- *Mahatma Gandhi*- S. Radhakrishnan, 1949, London,G. Allen and Unwin Ltd.
- *Studies in Gandhism*- N. K. Bose, 1940,Calcutta, Indian Associated Publishing Co. Ltd.
- *Selections from Gandhi*-N. K. Bose (ed.), 1948,Ahmedabad, Navajiban Publishing House
- *Studies in Philosophy* - K.C. Bhattacharya
- *The Secrets of the Self*- R.A. Nicholson, 1915, Cambridge
- *Iqbal the Philosopher*- Saiyed Abdul Hai, 1980, Islamic Cultural Centre, Chittagong, Islamic Foundation, Bangladesh
- “Iqbal’s Philosophy of Khudi” by M. Irfan Iqbal in *The Quaranic Horizons* 3:2, April-June, 1998
- *An Idealist View of Life* – S. Radhakrishnan
- *The Ethics of the Vedanta and Its Metaphysical Presuppositions* - S. Radhakrishnan, !908, Madras: The Guardian Press
- *Reply to Critics in the Philosophy of Dr. Sarvapalli Radhakrishnan* - P.A. Schilpp (ed.), 1952, NY: Tudor Publicating Co.
- *Dr. Babasaheb Ambedkar Writings & Speeches* ( Vol.s 3 ,4,11)
- *Contemporary Indian Philsophy* – T.M.P. Mahadevan & C.V. Saroja
- *Contemporary Indian Philosophy* – Basant Kumar Lal
- *Contemporary Indian Philosophers* – Benay Gopal Ray
- *Modern Indian Thought* – V.S. Naravane

Sem. 10

PHIL 1003: Paper 31 Optional Courses 35+15 Marks Sem.  
(details mentioned in Annexure III)

Sem. 10

PHIL 1004: Paper 32 Optional Courses 35+15 Marks  
(details mentioned in Annexure IV)

Sem. 9

PHIL 1081: Paper Sessional 8 50 Marks  
Presentation/seminar/work shop

PHIL 0903: Paper 27      Optional Courses      35+15 Marks

### 27.1 Rational Foundations of Mathematics 1

Philosophy of Mathematics:

- a) Platonism
- b) Empiricism
- c) Formalism
- d) Intuitionism

Suggested Readings:

- Körner, Stephan, *The Philosophy of Mathematics, An Introduction*. Harper Books, 1960.
- Kalish, Donald and Richard Montague. *Logic: Techniques of Formal Reasoning*. Harcourt. Brace & World, Inc. 1964
- Hintikka, Jaakko. *Philosophy of Mathematics: Readings in Philosophy*. Oxford. Oxford University Press. 1969
- Heijenoort, Jean van. *From Frege To Gödel: A Source Book in Mathematical Logic, 1879-1931*. Harvard University Press. Reprinted with corrections, 1977
- *The Completeness of the First-Order Functional Calculus* by Leon Henkin
- *On formally undecidable propositions of Principia Mathematica and related systems I*. translated by Martin Hirzel available on:  
<http://www.research.ibm.com/people/h/hirzel/papers/canon00-goedel.pdf>

### 27.2 Western Logic 1

- a. Intuitive Set Theory : Relations –binary, n-nary functions, operations on relations and functions
- b. Boolean Algebra and Lattice Theory.
- c. Formal Propositional Calculus, PM: Axioms, Theorems, Syntactic Completeness and Consistency.

Derivation of theorems within the system; proof of the deduction theorem for the system; consistency and completeness of the system (proof-theoretic methods only); proof of the independence of the axioms of the system.

Suggested Readings:

- *Set theory and Logic*-R.Stoll
- *Introduction to Logic*- Patric Suppes,1978,Affiliated East-West Press Private Limited, New Delhi
- *Symbolic Logic*- I.M. Copi (Appendix-A),1979, Pearson Prentice Hall,Delhi
- *Principia Mathematica*- Whitehead & Russell ,1910 ,Cambridge University Press, Cambridge

### 27.3 Advaita Vedanta 1

- a. Adhyasa-bhasya
- b. Brahmasutra Sankarabhasya 1/1/1 to 1/1/4 ( catuhsutri )

Suggested Readings:

- *Vedanta Darsana* (1<sup>st</sup> part) (translated and annotated in Bengali by Swami Visvarupananda),Udbodhan
- *Sankara Bhasya* ( translated in Bengali by Durgacarana Samkhya Vedantatirtha )
- *Sankara Bhasya: translated in English by A.B. Gouge*

### 27.4 Nyaya 1

Nyaya Sutra with Vatsayanabhasya: Prameyas ( chs.1/1/2, 1/1/9 to 22 and 3/1/1 to26, 3/2/46-59 )

Suggested Readings:

- *Nyaya Darsana* ( *Gautama Sutra-Vatsayanabhasya* ) (1<sup>st</sup> and 3<sup>rd</sup> part) (translated and annotated in Bengali by Phanibhusan Tarkabagish), West Bengal State Book Board
- *Nyayasutra with Vatsayanabhasya and vartika*- Ganganath Jha (translated in English)
- *Nyaya Philosophy*- D.P.Chattopadhyay and M.K.Gangopadhyay
- *Nyaya Caturgranthika*- Anantalal Thakur, ICPR

### 27.5 Indian Logic 1

Nyaya Manjari (1<sup>st</sup> Part): Selections from1<sup>st</sup> ahnika, Pramana Prakarana,; A critical analysis of some relevant opponents` views against the Nyaya view regarding the number of pramanas)

Suggested Readings:

- *Nyaya Manjari* (Part 1) by Jayanta Bhatta-Gaurinath Sastri (ed.), Sampurnanada Sanskrit Vishwavidyalaya
- *Nyaya Manjari* - Pancanan Tarkavagish
- *Nyaya Manjari* - Janakiballav Bhattacharya(ed), Motilal Banarsidass

## 27.6 Indian Philosophy of Language 1

Nyaya-Manjari(2<sup>nd</sup> part): 5<sup>th</sup> ahnika: padarthanirupana and vakyarthacinta

Suggested Readings :

- *Nyaya-Manjari* by Jayanta Bhatta( 2<sup>nd</sup> Part)-Gaurinath Sastri. (ed.) ,Sampurnanada Sanskrit Vishwavidyalaya
- *Nyaya-Manjari (Pancam Ahnika:Vakyartha-cinta)* – Prabal Kumar Sen.
- *Nyaya-Manjari –Pancanan Tarkabagish*

## 27.7 Western Philosophy of Language 1: Syntax

- a) Carnap's theory of logical syntax of language
- b) Chomsky's theory
- i) Transformational Generative Grammar
- ii) Innateness Hypotheses and Universal Grammar

Suggested Readings:

- *Logical Syntax of Language*- R. Carnap, London: Kegan Paul, 1937.
- *Aspects of the Theory of Syntax*- N. Chomsky, MIT Press, 1969.
- 'Logical Syntax and Semantics: Their Linguistic Relevance'- N. Chomsky in *Language* Vol. 31, No. 1 (Jan-March, 1955).
- *New Horizons in the Study of Language and Mind*- N. Chomsky, Cambridge: Cambridge University Press, 2000.
- *Reflections on Language*- Chomsky, Pantheon Books, 1975.
- *Cambridge Companion to Chomsky*
- 'Symposium on Innate Ideas' in *Oxford Readings on Philosophy of Language*, ed. J. Searle.
- *Chomsky*- J. Lyons, Fontana Press, 2008.

## 27.8 Applied Ethics 1

Environmental Ethics

- a. Indian perspective
  - i) The significance of Indian traditions in environmental ethics.
  - ii) Environmental issues in India.
  - iii) Eco-feminism.
  - iv) Tagore's concept of ecological harmony.

- b) Western perspective
- i) Bio-diversity
  - ii) Deep Ecology
  - iii) Land Ethics
  - iv) Man's appreciation of nature.
  - v) Reverence for life.

Suggested Readings:

- *The Vedas*
- "The Indian Heritage of a Conservation Ethic" by Madhav Gadgil in *Ethical Perspectives on Environmental Issues in India*-G.A. James (ed.), 1999, New Delhi: APH Publishing Corpn.
- 'Ethics in Indian Attitude towards Nature: Organic and Inorganic'-N.N. Chakraborty in *Historical-Developmental Study of Classical Indian Philosophy*, (History of Science, Philosophy and Culture in Indian Civilisation, vol. XII, Part 2); Rajendra Prasad (ed.)
- *Prakriti*, vol:1-4, ed. Kapila Vatsayan, Indira Gandhi National Centre for Arts.
- "Women in the Forest" by Vandana Shiva in *Ethical Perspectives on Environmental Issues in India*-G.A. James (ed.), 1999, New Delhi: APH Publishing Corpn.
- *Sadhana*- R. N. Tagore, VisvaBharati
- "Radical American Environmentalism and Wilderness Preservation: A Third World Critique" by Ramachandra Guha in *Ethical Perspectives on Environmental Issues in India*-G.A. James (ed.), 1999, New Delhi: APH Publishing Corpn.
- "Bio-diversity" by Holmes Rolston III in *A Companion to Environmental Philosophy*-D. Jamison (ed.) , 2001, Blackwell
- "Animals" by Peter Singer in *A Companion to Environmental Philosophy*-D. Jamison (ed.) , 2001, Blackwell
- "The Diversity of Life" by Edward Wilson, 1992, Cambridge, MA: Harvard University Press
- *Respect for Nature*- by Paul Taylor, 1986, Princeton
- *Animal Liberation*- by Peter Singer ,1990, New Y. Review of Books, New York
- "Does environmental ethics rest on a mistake?" by T. Regan, 1992, The Monist 75
- 'Environmental Aesthetics' by Allen Carlson in *Routledge Encyclopedia of Philosophy*, 1998, London, Routledge
- *A Historical-developmental Study of Classical Indian Philosophy of Morals*-Rajendra Prasad (ed.), Concept Publishing Company
- *Encyclopedia on Environment*, (Vol. 4)-Kapila Vatsayana (ed.) , Indira Gandhi National Centre for Arts.
- *Practical Ethics*- Peter Singer, 1999, Cambridge University press
- *Applied Ethics*- Peter Singer, 1986, USA, OUP
- *A Companion To Ethics*- Peter Singer, 1993, Wiley-Blackwell
- *A Sand County Almanac*, -A. Leopold, 1949, NY, OUP
- *Encyclopedia of Religion and Nature*, Vol-1, -B. Taylor & M. Zimmerman (ed.), 2003, London, Continuum International
- *Man's Responsibility for Nature* - J. Passmore 1974, London, Duckworth

- The Culture of Extinction Toward a Philosophy of Deep Ecology, - F.L.Blender, 2003,Amherest, N Y , Humanity Books

## 27.9 Feminist philosophy 1

- a. Feminist theories: A historical overview
- b. Definitions of feminism, liberal feminism and its critiques, radical feminism and its critiques, socialist feminism, Marxist feminism, existentialist feminism ( Simone de Beauvoir)
- c.Feminist epistemology and logic:
  - i) Standpoint epistemology : Sandra Harding
  - ii) The issue of Objectivity : Helen Longino
  - iv) Reconceptualising Reason : Michelle le Deouff, Val Plumwood

### Suggested Readings:

- *Feminist Issues: Race, Class and Sexuality*-Nancy Mandell (ed.), ( 3<sup>rd</sup> Edition), 2001, PrenticeHall, Toronto: York University
- *Second Sex*:Simone de Beauvoir-H. M. Parshley (tr.), (Book 1, Part 1,Ch.1),Vintage
- *The Cambridge Companion to Feminism in Philosophy*-M. Fricker & J. Hornsby (eds.), 2000, Cambridge: Cambridge University Press
- *Philosophy and Feminism: At the Border*-A. Nye, 1995, NY: Twayne Publishers
- *Feminist Thought*-S. Moitra,2002, New Delhi, Munshiram Manoharlal Publishers
- *Feminist Epistemologies*-L. Alcoff & E. Potter (eds.), 1993, NY: Routledge
- *What Can She Know? Feminist Theory and the Construction of Knowledge*-L. Code, 1991, Ithaca, NY: Cornell University Press
- *Representing Reason:Feminist Theory and Logic*-R. Falmagne & M. Hass (eds.), 2002, Lanham,MD: Rowman & Littlefield
- *The Man of Reason*-G. Lloyd,1984,Minneapolis: University of Minnesota Press
- *The Science Question in Feminism*-Sandra Harding, Open University Press, 1986
- *Whose Science? Whose Knowledge? Thinking from Women's Lives*-S. Harding,1991, Ithaca,NY: Cornell University Press
- *Science as Social Knowledge: Values and Objectivity in Scientific Inquiry*-H. Longino,1990,Princeton,NJ: Princeton University Press
- *Hipparchia's Choice: An Essay Concerning Women, Philosophy, etc.*- Michelle le Doeuff, 1991, tr. T.Selous, Oxford: Blackwell
- *Feminism and the Mastery of Nature*-V. Plumwood, 1993, London: Routledge

## 27.10 Philosophy of Mind 1

## Metaphysics of Mind

- a. Introducing the mind-body problem
- b. Varieties of Materialism
- c. Functionalism
- d. Supervenience Theory
- e. Eliminative Materialism

### Selected Readings:

- *Meditations on First Philosophy* (excerpts from the Second and the Sixth Meditation)- John Cottingham(ed),1996, UK,Cambridge University Press
- Descartes' Myth (excerpts)-Gilbert Ryle in *Concept of Mind*,2009,London, Routledge
- 'Sensational and Brain Processes' by J.J.C. Smart in *The Mind- Brain Identity Theory*-C.V. Borst (ed.),1979, London, Macmillan
- 'The Causal Theory' by D.M. Armstrong in *Mind and Cognition: an anthology*-W.G. Lycan(ed.) ,1990, Blackwell, USA
- 'Is Conscious a Brain Process?' by U.T. Place in *Mind and Cognition: an anthology*-W.G. Lycan(ed.) ,1990, Blackwell, USA
- *The Mechanical Mind*(Chapter 3,2<sup>nd</sup> edition)- Tim Crane,2003, London, Routledge
- 'The Nature of Mental States' by Hilary Putnam in *Readings in Philosophy of Psychology(vol 1)* –Ned Block(ed.) ,1983, Harvard University Press, Cambridge, Massachusetts
- 'Troubles with Functionalism' by Ned Block in *Readings in Philosophy of Psychology(vol 1)* –Ned Block(ed.) ,1983, Harvard University Press, Cambridge, Massachusetts
- 'Mental Events' by Donald Davidson in *Mind and Cognition: an anthology*-W.G. Lycan(ed.) ,1990, Blackwell, USA
- 'Multiple Realisation and the Metaphysics of Reduction' by Jaegwon Kim in *Supervenience and mind* ,1993, NY, Cambridge University Press
- 'The Many Problems of Mental Causation' by Jaegwon Kim in *Mind in a Physical World: An Essay on the Mind-Body problem And Mental Causation* ,2000, MIT Press,USA
- *Matter and Consciousness* (Chapter 2 & 3, Revised edition)-Paul Churchland,2001, USA, MIT Press

## 27.11 Philosophy of Science 1

This course attempts to introduce students' conceptual and dynamical aspects of science. While in the conceptual part the notions of scientific explanation, theory and observation, confirmation of scientific hypotheses, reduction, measurement and experiment will be discussed, the dynamical aspect will discuss different models of methodology of science starting from Aristotle to Post Feyerabendians.

1. Philosophy of Science: Its Scope and Significance
2. Positivist Philosophy of Science
3. Hypothetico-deductivism.

4. Kuhnian Philosophy of Science.
5. Methodology of Scientific Research.
6. Methodological Pluralism.
7. Models of Scientific Explanation.
8. Nature of Theory and Observation in Science.
9. Models of Confirmation of Scientific Hypothesis.
10. Possibility of Reduction in Science.
11. Measurement in Science.
12. Philosophy of Experiment.

Suggested Readings:

- *Readings in the Philosophy of Science*- R. Boyd, P. Gasper and J. Trout (eds.), 1995, MIT Press, Cambridge MA.
- *Readings in the Philosophy of Science*- B. Brody, 1989, Prentice Hall.
- *What is this thing called science?* - A.F. Chalmers, 1976, Milton Keynes: The Open University Press, 1976.
- *Against Method*- P.K. Feyerabend, 1975, London, Verso.
- *Philosophy of Natural Science*-C.G. Hempel, 1966, Prentice-Hall.
- *The Structure of Scientific Revolution*- T.S. Kuhn, 1962, University of Chicago Press.
- 'Falsification and the Method of Scientific Research Programmes'-I. Lakatos in Lakatos and Musgrave (eds.) *Criticism and Growth of Knowledge*, Cambridge, 1970, CUP.
- *Logic of Scientific Discovery*- K. R. Popper, London, 1959, Hutchison.
- *Representing and Intervening*- J. Hacking, 1983, CUP.

## 27.12 Formal Semantics

1. Two aspects of Montague Semantics: Truth-conditional approach and Model-theoretic approach; L0: a simple semantic language for Propositional Logic.

Suggested Readings:

- David R. Dowty, Robert E. Wall, Stanley Peters, *Introduction to Montague Semantics*, D. Reidel Publishing Company, Dordrecht, 1981
- R. Montague, *The Proper Treatment of Quantification in Ordinary English*, published in Jaakko Hintikka, Julius Moravcsik, Patrick Suppes (eds.): *Approaches to Natural Language*. Dordrecht 1973, 221–242.
- P. Martinich (ed.), *The Philosophy of Language*, Oxford University Press, 1985
- Saul Kripke, *Naming and Necessity*, Harvard University Press, 1980
- *Journal of Semantics*, Oxford Journals, Oxford University Press

PHIL 0904: Paper 28 Optional Courses 35+15 Marks

**28.1 Rational Foundations of Mathematics 2**

Philosophy of Mathematics:

- a) Logicism.
- b) Cantor's Diagonal Argument

Suggested Readings:

- Körner, Stephan, *The Philosophy of Mathematics, An Introduction*. Harper Books, 1960.
- Kalish, Donald and Richard Montague. *Logic: Techniques of Formal Reasoning*. Harcourt. Brace & World, Inc. 1964
- Hintikka, Jaakko. *Philosophy of Mathematics: Readings in Philosophy*. Oxford. Oxford University Press. 1969
- Heijenoort, Jean van. *From Frege To Gödel: A Source Book in Mathematical Logic, 1879-1931*. Harvard University Press. Reprinted with corrections, 1977
- *The Completeness of the First-Order Functional Calculus* by Leon Henkin
- *On formally undecidable propositions of Principia Mathematica and related systems I*. translated by Martin Hirzel available on:  
<http://www.research.ibm.com/people/h/hirzel/papers/canon00-goedel.pdf>

**28.2 Western Logic 2**

a. Modal axiomatic system (only propositional parts) T, S<sub>4</sub> and S<sub>5</sub>; Derivation of theorems within the systems.

Suggested Readings:

- An Introduction to Modal Logic*- Hughes & Cresswell, London, Methuen, 1968
- A New Introduction to Modal Logic*- Hughes & Cresswell, London, Routledge, 1996
- Companion to Modal Logic*- Hughes & Cresswell London, Methuen, 1984

### 28.3 Advaita Vedanta 2

- a. Vivarana Prameya Samgraha ( From Purvapaksa on adhyasa to arthadhyasa and ekatvadyasa)
- b. Vedanta Paribhasa ( Selections from pratyaksa pariccheda: from savikalpaka and nirvikalpaka pratyaksa to prapyakaritva of indriya )

#### Suggested Readings:

- *Vivarana Prameya Samgraha* (1<sup>st</sup> part) -Vidyaranya Muni (translated and annotated in Bengali by Pramathanath Tarkabhusan), Basumati Sahitya Mandir
- *Vedanta Paribhasa*-Dharmarajadhvarinda (translated and annotated in Bengali by Pt. Pancanan Sastri ),Sanskrit Pustak Bhandar
- *Vedanta Paribhasa*-Dharmarajadhvarinda (with Paribhasa-samgraha tika in Sanskrit by Pt.Pancanan Sastri) , Pt. Pancanan Sastri

### 28.4 Nyaya 2

- a. Nyaya Kusumanjali with vrtti ( 1<sup>st</sup> stavaka –mangalaslōka to karika7 )
- b. Nyaya Kusumanjali with vrtti (5<sup>th</sup> stavaka-from karika1 to 5)

#### Suggested Readings:

- *Nyaya Kusumanjali*-Udayana ( translated and annotated in Bengali by Srimohon Bhattacharya ), West Bengal State Book Board
- *Nyaya Kusumanjali with Bodhani*-Dhundiraj Sastri (ed.)
- *Nyaya Kusumanjali*- N.S. Dravid
- *Nyaya Kusumanjali*- Shyamapada Mishra
- *Nyaya Tattva Parikrama*- K. K. Banerjee

### 28.5 Indian Logic 2

- a. Pramanamimamsa (Anumana)
- b. Manameyodaya (anumana pramanam)

#### Suggested Readings

- *Pramanamimamsa*- Hemcandra
- *Manameyodaya* (1<sup>st</sup> part) - Narayana Bhatta (translated & annotated in Bengali by Dinanath Tripathi), Sanskrit College, Kolkata
- *Jainadarsan Digdarsan*-Satindra Chandra Nyayacharya ,Sanskrit College, Kolkata

- *Advanced Studies in Indian Logic and Metaphysics*-Sukhlalji Sanghvi,Singhi Jaina Granthamala, Calcutta

## 28.6 Indian Philosophy of Language 2

- a. Manameyodaya (sabda pramanam)
- b. Slokavartika (sabda nityatvavada )

Suggested Readings:

- *Manameyodaya* (1<sup>st</sup> part) - Narayana Bhatta (translated & annotated in Bengali by Dinanath Tripathi),Sanskrit College ,kolkata
- *Manameyodaya* by Narayan Bhatta-N. Kunjunni Raja & Suryanarayana Sastri (tr. in English & ed.)
- *Slokavartika* – Kumarila Bhatta ( with Nyayaratnakara tika by Parthasarathi Mishra),translated in Hindi by Tarak Prasad Sastri(ed.)

## 28.7 Western Philosophy of Language 2: Semantics

- a) Proper Names and Descriptions
  - i) Frege
  - ii) Russell
  - iii) Kripke
  - iv) Donnellan
  - v) Searle
- b) Semantic Holism: Quine
- c) Semantic Theory of Truth: Tarski
- d) Truth-conditional Theory: Davidson
- e) Dummett's objection to Davidson's proposal.

Suggested Readings:

- 'On Concept and Object' and 'Function and Concept' in translations from *Philosophical Writings of Gottlob Frege*-Geach and Max Black, Oxford: Basil Blackwell, 1960.
- *Frege: Philosophy of Language*-M. Dummett, London: Duckworth, 1981.
- *The Interpretation of Frege's Philosophy*- M. Dummett, Cambridge, M.A: Harvard University Press, 1981.
- "Logic and Metaphysics" by E. Zalta in *JICPR Special Issue on Logic and Philosophy Today Part II,vol.xxvii,No.2*
- *Naming and Necessity*- S. Kripke, Cambridge,M.A:Harvard University Press, 1972.
- 'On Denoting' by B. Russell in *Logic and Knowledge*, R.C. Marsh (ed.), London: George Allen and Unwin, 1956.
- 'Reference and Definite Descriptions'- Donnellan in *Naming, Necessity and Natural Kinds*, (ed) Schwarz. S. P. Ithaca: Cornell University, 1977.

- ‘Proper Names and Identifying Descriptions’ - Donnellan in *Semantics of Natural Language* (eds) Davidson and Harman, 2<sup>nd</sup> edition, New York: Springer, 1973.
- ‘Proper Names’ - Searle in *Mind* Vol 67, 1958.
- *Word and Object* - W.V.O. Quine, Cambridge, M.A: MIT Press, 1970.
- ‘The Semantic Concept of Truth and the Foundations of Semantics’ - A. Tarski in *The Philosophy of Language* (ed.) A.P. Martinich, Oxford University Press, 1985.
- ‘Truth and Meaning’ in *Inquiries into Truth and Interpretation* - D. Davidson, Oxford: Oxford University Press, 1984.
- ‘Proper Names’ - P.K. Sen in *Logic, Induction and Ontology*, Madras: The Macmillan Company of India Ltd. 1980.
- ‘What is a Theory of Meaning?’ 1 & 2, M. Dummett, in *The Seas of Language*, Oxford: Clarendon Press, 1993.

## 28.8 Applied Ethics 2

### Bio-Medical Ethics

- a. Basic ethical concepts available in *Caraka* and *Susruta*
- b. Fundamentals of Medical Ethics : duties of Medical Practitioners, professional negligence, products liability, malpractice, human experimentation
- c. Ethics of cloning, bio-technology, surrogacy, issues related to the beginning of life and the end of life , organ transplantation.

### Suggested Readings:

- *Caraka Samhita (A Scientific Synopsis)* - P. Roy and H.N. Gupta, International Science Academy, New Delhi
- *Susruta Samhita (A Scientific Synopsis)* - P. Roy , H.N. Gupta and Mira Roy, International Science Academy, New Delhi
- *The Essentials of Forensic Medicine and Toxicology* - Dr. K.S. Narayanan Reddy (Ch.3 ‘Medical Law and Ethics’) K. Suguna Devi, Hyderabad
- *Introduction to Bio-Ethics* - J. Bryant, L. Baggett la Velle and John Searle ( Ch.V ‘Bio-technology and Bio-ethics’ & Ch.IX ‘Cloning and Stem Cells’)
- *Principles of Biomedical Ethics* – Tom. L. Beauchamp, & J.F. Childress, 1994, USA, OUP,

## 28.9 Feminist Philosophy 2

### Feminist Ethics

- a. Justice and the problem of difference
- b. Ethics of Care - Carol Gilligan and Virginia Held
- c. Ethics of Empathy - Michael Slote

### Suggested Readings:

- *Justice and the Politics of Difference* - I.M. Young, 1990, Princeton, NJ: Princeton University Press

- *Feminist Ethics*-C. Card,1991, Lawrence, KS: University Press of Kansas
- *Feminist Morality: Transforming Culture, Society and Politics*-V. Held,1993, Chicago University of Chicago Press
- *Justice and the Politics of Difference*-I.M. Young,1990, Princeton,NJ: Princeton University Press
- ‘Gender Inequality and Theories of Justice’ by Amartya Sen in *Women Culture and Development: A Study of Human Capabilities*- M. Nussbaum & J. Glover,1995, Oxford: Clarendon Press
- *The Ethics of Care*- V. Held,2006,Oxford:OUP
- *Explorations in Feminist Ethics: Theory and Practice*-E.B. Cole & S. Coultrap-McQuinn ( eds.) 1992, Bloomington IN: Indiana University Press
- *In a Different Voice: Psychological Theory and Women’s Development*-C. Gilligan,1982, Cambridge, MA: Harvard University Press
- *The Ethics of Care and Empathy*-M. Slote,2007,London & NY: Routledge

## 28.10 Philosophy of Mind 2

### Representational Mind and Philosophy of Artificial Intelligence

- a. The Nature of Representation
- b. Computers and Thought, The Mechanism of Thought
- c. The distinction between Mental and Physical Phenomena
- d. Propositional Attitude: Realism and Instrumentalism
- e. Explaining Consciousness
- f. Artificial Intelligence

#### Suggested Readings:

- *The Mechanical Mind* (Chapter 1&3 & 4), 2<sup>nd</sup> edition -Tim Crane,2003, London, Routledge
- ‘The Distinction between Mental and Physical Phenomena’( excerpts ) by Franz Brentano in *The Phenomenology Reader* D.Moran & T.Mooney, 2002, London, Routledge
- *Language of Thought*-Jerry A Fodor,1975, USA, Harvard University Press
- *A Companion to The Philosophy of Mind*- Samuel Guttenplan (ed.), 1994, USA, Blackwell
- ‘True Believers: The Intentional Strategy and Why It Works’ by Daniel C. Dennett in *Mind and Cognition: an anthology*-W.G. Lycan(ed.) ,1990, Blackwell, USA
- Explaining Consciousness by D. M. Rosenthal in *Philosophy of Mind: Classical and Contemporary Readings*, D. Chalmers (ed.) 2002, OUP.
- ‘Artificial Intelligence’ in *Matter and Consciousness*- Paul M. Churchland, Revised Edition, 2001, Cambridge: MIT Press

## 28.11 Philosophy of Science 2

### History of Science: Early Modern to Contemporary Science

- a) Galileo
- b) Copernican Astronomy
- c) The Mechanical Philosophy
- d) The Newtonian Synthesis
- e) Newtonianism and the Enlightenment
- f) Darwin and Evolution
- g) Mendel and Genesis
- h) Thermodynamics and Statistical Mechanics
- i) Theories of the Aether and Relativity
- j) Early Quantum Theory

#### Suggested Readings:

- ‘Galileo and the Causes’- Peter Machamer, in *New Perspectives on Galileo*, Robert Butts and Joseph C. Pitt (eds.) 1978, Dordrecht: D. Reidel Publishing Company.
- *The Mechanization of the World Picture*- E. I. Dijksterhuis, 1986, Princeton, N.J. : Princeton University Press, pp. 300-323.
- *Principles of Philosophy*-Rene Descartes, Part II, pp. 223-47, in *The Philosophical Writings of Descartes*, I. Cottingham (ed.), 1988, Cambridge UP.
- *The Mechanical Philosophy*- M.B. Hall, 1981, New York: Arno Press.
- *Philosophiae Naturalis Principia Mathematica*- Isaac Newton, Motte-Cajori (trans.), 1966, U California.
- *The Cambridge Companion to Newton*- I. B. Cohen and George Smith (eds.), 2002, Cambridge University Press.
- *The Image of Newton and Locke in the Age of Reason*- Gerd I. Buchdahl, 1961, London: Sheed and Ward.
- *Mechanism and Materialism: British Natural Philosophy*- R. E. Schofield, in *An Age of Reason*, 1969, Princeton.
- *On the Origin of Species*- Charles Darwin, 1964, Cambridge, Harvard University Press. Chaps. 1,4,6,10.
- *The Darwinian Heritage*- David Kohn (ed.), 1985, Princeton.
- *Darwin and the Emergence of Evolutionary Theories of Mind and Behaviour*- R. J. Richards, 1987, Chicago: Univ. of Chicago Press, pp. 135-136, 375-398.
- ‘Experiments in Plant Hybridisation’- Gregor Mendel in *The Origins of Mendelism*, Curt Stern and Eva Shelwood (eds.), 1972, Chicago.
- *Lords of the Fly: Drosophila Genetics and the Experimental Life* – Robert Kohler, 1994, University of Chicago Press.

- *The kind of motion we call heat: a history of the kinetic theory of gases in the 19<sup>th</sup> century*- Stephen G. Brush, 1976, American Elsevier.
- *From X-rays to Quarks*- E. Segre, 1980, Freeman.
- *The Conceptual Development of Quantum Mechanics*- Max Jammer, 1989, Tomash Publishers, American Institute of Physics.

## 28.12 Formal Semantics 2

### 2. L1: a language for First Order Predicate Logic and Quantification

#### Suggested Readings:

- David R. Dowty, Robert E. Wall, Stanley Peters, *Introduction to Montague Semantics*, D. Reidel Publishing Company, Dordrecht, 1981
- R. Montague, *The Proper Treatment of Quantification in Ordinary English*, published in Jaakko Hintikka, Julius Moravcsik, Patrick Suppes (eds.): *Approaches to Natural Language*. Dordrecht 1973, 221–242.
- P. Martinich (ed.), *The Philosophy of Language*, Oxford University Press, 1985
- Saul Kripke, *Naming and Necessity*, Harvard University Press, 1980
- *Journal of Semantics*, Oxford Journals, Oxford University Press

PHIL 1003: Paper 31 Optional Courses 35+15 Marks

31.1 Rational Foundations of Mathematics 3

a)Completeness: Definitions of consistency, completeness and soundness; b)Henkin's paper on the completeness theorem: *The Completeness of the First-Order Functional Calculus*

Suggested Readings:

- Körner, Stephan, *The Philosophy of Mathematics, An Introduction*. Harper Books, 1960.
- Kalish, Donald and Richard Montague. *Logic: Techniques of Formal Reasoning*. Harcourt. Brace & World, Inc. 1964
- Hintikka, Jaakko. *Philosophy of Mathematics: Readings in Philosophy*. Oxford. Oxford University Press. 1969
- Heijenoort, Jean van. *From Frege To Gödel: A Source Book in Mathematical Logic, 1879-1931*. Harvard University Press. Reprinted with corrections, 1977
- *The Completeness of the First-Order Functional Calculus* by Leon Henkin
- *On formally undecidable propositions of Principia Mathematica and related systems I*. translated by Martin Hirzel available on:  
<http://www.research.ibm.com/people/h/hirzel/papers/canon00-goedel.pdf>

31.2 Western Logic 3

Axiomatised Syllogistic System  
Many valued logic- Lukasiewicz's logic  
Metalogic-Huter.

Suggested Readings:

- *Aristotle's Syllogistic from the Standpoint of Modern Logic*- Jan Lukasiewicz,1951,Oxford, Clarendon press
- *Elements of Formal Logic*- Hughes &Londey, 1965, Mathuen &Co
- *The Blackwell Guide To Logic* - Lou Goble(ed), 2001, Wiley- Blackwell
- *Handbook of Philosophical Logic(vol-2,5)* –M Dov, Franz Guenther,Klender Academic Publishers
- *An Introduction To Many Valued Logic* –Ackermann,1967,London, Routledge & Kegan Paul
- *Many Valued Logic* – Nicholas Rescher,1969, NY , McGraw Hill
- *Philosophy of Logics(ch-11)*-Susan Haack,1976,Chikago, The University of Chicago Press.
- *Metalogic: An Introduction to the Metatheory of Standard First Order Logic* Geoffrey Hunter, part I & part II. University of California Press, 1973.

### 31.3 Advaita Vedanta 3

- a. Brahmasutra Sankarabhasya(Smrtipada 2/1/1 to 20 )
- b. Brahmasutra Sankarabhasya ( Tarkapada 2/2/1 to 20 )

Suggested Readings:

- *Vedanta Darsana* (2<sup>nd</sup> part) (translated and annotated in Bengali by Swami Visvarupananda)
- *Sankrabhasya( translated and edited by Durgacarana Samkhya Vedantatirtha)*

### 31.4 Nyaya 3

- a.Tattva Cintamani ( portion on sabda pramanyavada )
- b.Sabdasaktiprakasika ( sarthakasabdanamnirupanam upto jatisaktivada khandana )

Suggested Readings:

- *Tattva Cintamani by Gangesa Upadhyay-Translated in Bengali and edited by Dinanath Tripathi , Sanskrit Pustak Bhandar*
- *The Nyaya theory of Linguistic Performance- P.K.Mukhopadhyay*
- *Meaning, Truth and Predication-S.R. Saha*
- *Gangesa`s theory,Part One and Two;ICPR,1990,Motilal Banarasidas*
- *Sabdakhanda of Gangesa`s TattvaCintamani- S.R.Saha & P.K.Mukhopadhyay (eds.)*
- *Sabdasaktiprakasika by Jagadisa-Sri Madhusudan Bhattacharya (ed. & tr. with notes)*
- *Sabdasaktiprakasika by Jagadisa-Kamakhyanath Tarkabagish (ed.)*
- *Encyclopedia of Indian Philosophies, vol.vi (ed. by Karl H. Potter & Sibajiban Bhattacharyya) ,Motilal Banarsidass, Delhi*

- *Language, Testimony and Meaning*-Sibajiban Bhattacharyya, Delhi:ICPR, 1998.
- *The Philosophy of Language:An Indian Approach*-P.K. Majumder
- *Indian Theories of Meaning*-K. Kunjunni Raja

### 31.5 Indian Logic 3

Navya Nyaya Bhasa Pradipa

Suggested Readings:

- *Navya Nyaya Bhasa Pradipa*-M.M. Mahesha Chandra Nyayaratna (edited and annotated by Kalipada Tarkacharya), Sanskrit college, Kolkata
- *A Primer of Navya-Nyaya Language and Methodology*-Ujjwala Jha
- *Language, Testimony and Meaning*-Sibajiban Bhattacharyya, Delhi:ICPR, 1998
- “Navya-Nyaya Logic” by Prabal K.Sen & Amita Chatterjee in *JICPR Special Issue on Logic and Philosophy Today, Part-I, vol.xxvii, 2010*
- *Nyaya Theory of Language*-John Vattanky

### 31.6 Indian Philosophy of Language 3

Vakyapadiya (Brahmakanda, sutras 1-22)

Suggested Readings:

- *Vakyapadiya(Brahmakanda)* by Bhartrhari with commentaries of Helaraja and Raghunath Sharma-Subrahmya Ajjar, Sampurnananda Vishvavidyalaya, varanasi
- *Vakyapadiya(Brahmakanda)*
- *Encyclopedia of Indian Philosophies, vol.v*-Harold G. Coward & K. Kunjunni Raja (eds.) Motilal Banarsidass, Delhi
- *Vakyapadiya*-K.S. Aiyer(ed.), Motilal Banarsidass, Delhi
- *Bhartrhari-A Study*-K.S.Aiyer
- *Philosophy of Word and Meaning*-Gaurinath Sastri(ed.)

### 31.7 Western Philosophy of Language 3: Pragmatics

- a) Wittgenstein’s *Philosophical Investigations* [ i) Meaning as Use, ii) Language Games and Family Resemblance, iii) Private Language, Grammar and Form of Life]
- b) Speech act theory of Austin and Searle
- c) Grice’s theory of conversational Implicature.

### Suggested Readings:

- *Philosophical Investigations*- L. Wittgenstein (tr. G.E.M. Anscombe), Blackwell,1953.
- *Wittgenstein: Understanding and Meaning*- Baker and Hacker, Oxford: Basil Blackwell, 1980.
- *How To Do Things with Words*- J.L. Austin, Harvard University Press, 2005.
- *Speech Act*- John Searle, Cambridge University Press, 1969.
- ‘What is a speech act?’ in *The Philosophy of Language*- J. Searle (ed.), London: Oxford University Press.
- *Studies in the Way of Words*- H.P. Grice, Cambridge, M.A: Harvard University Press, 1989.
- ‘Utterer’s Meaning, Sentence -meaning and Word Meaning’ in *The Philosophy of Language*- J. Searle (ed.), London: Oxford University Press.

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## 31.9 Feminist Philosophy 3

### Environment and Feminism

Some prominent views in ecofeminism :

Karren J. Warren : women, nature and culture

Carol Adams: feminist-vegetarian critical theory

Vandana Shiva: ecofeminism

### Suggested Readings:

- “Ecofeminism” by Victoria Davion in *A Companion to Environmental Philosophy*-Dale Jamieson (ed.) ,2001, Blackwell Publishing
- *The Sexual Politics of Meat: A Feminist-Vegetarian Critical Theory*- C. J. Adams, Continuum, 1990
- *Ecofeminism and the Sacred*- C. J. Adams, Continuum, 1993
- “Ecofeminism and the eating of animals” by C.J. Adams in *Hypatia : A Special Issue, Ecological Feminism* 6, no.1
- *Neither Man nor Beast*-C.J. Adams,1994, NY: Continuum
- “The power and promise of ecological feminism” by Karren J. Warren in *Environmental Ethics* 12, no.2
- “Feminism and Ecology’: Making Connections” by Karen J. Warren in *Environmental Ethics* 9
- *Ecofeminism: Women, Culture, Nature*-Karren J. Warren & N. Erkal (eds.),1997, Indianapolis: Indiana University Press
- *Staying Alive: Women, Ecology and Development*-Vandana Shiva,1989, London: Zed Books
- “Development as a new project of western patriarchy” by Vandana Shiva in *Reweaving the World: The Emergence of Ecofeminism*-I.Diamond & G.F. Orenstein,1990, San Fransisco: Sierra Club Books

- *Close to Home: Women Reconnect Ecology, Health and Development Worldwide*- Vandana Shiva,1994, London:Earthscan,
- *Ecofeminism: Women, Animals, Nature*-Greta Gaard (ed.), 1993, Philadelphia: Temple University Press

## 31.10 Philosophy of Mind 3

### Consciousness

Introducing the problem of consciousness

Nature of consciousness

Concept of consciousness

Nature of Qualia: Knowledge argument, Explanatory argument, Modal argument

Refutation of Qualia

Suggested Readings:

- *The Conscious Mind* ( Introduction ) – D. Chalmers, 1996, OUP
- ‘Concept of Consciousness’ in *Consciousness, Function and Representation*- Ned Block,2007, USA, MIT Press
- *Consciousness: An Introduction*- Susan Blackmore , 2004,OUP
- ‘Can We Solve the Mind-Body Problem?’ by Colin McGinn in *Philosophy of Mind*-T.O’Connor & D.Robb, 2003,London, Routledge
- What It Is Like To Be A Bat?- Thomas Nagel in *The Nature of Mind*, D. M. Rosenthal (ed), 2001, OUP.
- Consciousness and Its Place in Nature – D. J. Chalmers in *Blackwell Guide to the Philosophy of Mind*, Stich and Warfield (eds.) 2003, Blackwell.
- Quining Qualia-D. C. Dennett in *Consciousness in Modern Science*, A. Marcel and E. Bisiach (eds.), 1988, OUP.
- Epiphenomenal Qualia- F. Jackson (for knowledge argument) in *Philosophical Quarterly* 32, 1982.
- Materialism and Qualia: The Explanatory Gap-J. Levine (for explanatory argument) in *Pacific Philosophical Quarterly*,64, 1983.
- *Naming and Necessity*( excerpts )- S. A. Kripke (for modal argument), 1981, Wiley-Blackwell.

## 31.11 Philosophy of Science 3

### Social History of Science

Objective: The objective of the course is to enable students to understand science as a socio-cultural product in a specific historical context. The course exposes the students to philosophical, historical and sociological perspectives to look at science as a practice deeply embedded in culture and society. It emphasizes the dynamic nature of the relations between wider cultural practices on one hand and scientific practices on the other. The attempt is to equip the student with a theoretical understanding indispensable for an in-depth study of science-society dynamics.

Science as Culture: Issues and Perspectives

a) Social Context of Production of Scientific Knowledge

- i) Demarcation, Autonomy and Cognitive Authority of Science- Received view
- ii) Challenges to the Received View

Suggested Readings:

- *What is this thing called Science?*- A.F. Chalmers, 1976, Milton Keynes: The Open University Press.
- *The Science Studies Reader*, M. Biagioli (ed.), 1999. New York: Routledge.
- *The Manufacture of Knowledge: An Essay on the Constructivist and Contextual Nature of Science*- K. Knorr-Cetina, 1981, Oxford: Pergamon Press.
- *Companion to the History of Modern Science*- R.C. Olby, G.N. Cantor, J.R.R. Christie and M.J.S. Hodge (eds.), 1990, London: Routledge.

b) Organization of Production of Scientific Knowledge and Professionalization of Science.

Suggested Readings:

- *The Sociology of Science*-Robert Merton, 1973, Chicago University Press.
- *The Structure of Scientific Revolution*- Thomas Kuhn, 1970 (2<sup>nd</sup> Edition), Chicago: Chicago Univ. Press.

### 31.12 Formal Semantics 3

3. Lambda Abstraction and L-lambda; Ltype: a Higher Order Type-theoretic language.

Suggested Readings:

- David R. Dowty, Robert E. Wall, Stanley Peters, *Introduction to Montague Semantics*, D. Reidel Publishing Company, Dordrecht, 1981
- R. Montague, *The Proper Treatment of Quantification in Ordinary English*, published in Jaakko Hintikka, Julius Moravcsik, Patrick Suppes (eds.): *Approaches to Natural Language*. Dordrecht 1973, 221–242.
- P. Martinich (ed.), *The Philosophy of Language*, Oxford University Press, 1985
- Saul Kripke, *Naming and Necessity*, Harvard University Press, 1980
- *Journal of Semantics*, Oxford Journals, Oxford University Press

*Annexure IV*

PHIL 1004: Paper 32 Optional Courses 35+15 Marks

### 32.1 Rational Foundations of Mathematics 4

a) First Incompleteness Theorem of Gödel: Translation of Gödel's 1931 paper *Über formal unentscheidbare Sätze der Principia Mathematica und verwandter Systeme, I*

#### Suggested Readings:

- Körner, Stephan, *The Philosophy of Mathematics, An Introduction*. Harper Books, 1960.
- Kalish, Donald and Richard Montague. *Logic: Techniques of Formal Reasoning*. Harcourt. Brace & World, Inc. 1964
- Hintikka, Jaakko. *Philosophy of Mathematics: Readings in Philosophy*. Oxford. Oxford University Press. 1969
- Heijenoort, Jean van. *From Frege To Gödel: A Source Book in Mathematical Logic, 1879-1931*. Harvard University Press. Reprinted with corrections, 1977
- *The Completeness of the First-Order Functional Calculus* by Leon Henkin
- *On formally undecidable propositions of Principia Mathematica and related systems I*. translated by Martin Hirzel available on:  
<http://www.research.ibm.com/people/h/hirzel/papers/canon00-goedel.pdf>

## 32.2 Western Logic 4

### Philosophical Issues

Logical Paradoxes, Entailment, Logical Truths, Logic and Existence, Meaning of Logical Constants, Justification of Deduction, Possible Worlds, Variables and Quantification.

#### Suggested Readings:

- *Recent Essays on Truth and The Liar Paradox*- R.Martin,1984, OUP,USA
- *The Ways Of Paradox* by W.V. Quine, in *The Ways Of Paradox and Other Essays*,1976, Harvard University Press,London
- *Philosophy Of Logics*- Susan Haack,1978, Cambridge University Press, Cambridge,London
- *Laws of logic* –A.Pap,Blackwell
- ‘The Problem of Entailment’ by P.K. Sen in *Jadavpur Studies in Philosophy*, vol. 2, 1980, Madras: MacMillan India
- *Semantics and Necessary Truth* –A. Pap, 1958 , New Haven, Yale University Press
- ‘On what there is’ in *From a Logical Point of View* -by W.V.Quine,1963,NY, Harvard University Press
- *An Introduction to Logical Theory*- P.F. Strawson, 1976, Bombay, B.I.Publications
- ‘Justification of Deduction’ in *Truth and Other Enigmas*- M. Dummett, 1978,Harvard University Press

- ‘On the Problem of Justifying Deduction’ in *Reference and Truth*- P.K. Sen, 1990, New Delhi: ICPR & Allied Publishers Ltd.
- ‘Selfjustifying Rules’ by Ranjan Mukhopadhyay in *Foundations of Logic and Language*- P. K. Sen (ed) , Jadavpur Studies in Second Series, 1990, Allied Publishers
- *Naming & Necessity*- Saul Kripke, 1980, Oxford, Basil Blackwell
- Modality and Possible World by Indrani Sanyal, in *Foundations of Logic and Language*- P. K. Sen (ed) , Jadavpur Studies in Second Series, 1990, Allied Publishers
- ‘Variables and Quantification’ by P.K Sen in *Logic, Induction and Ontology*, Madras: The Macmillan Company of India Ltd. 1980.
- *An Introduction To Philosophical Logic*-Grayling, Barnes and Noble, Totowa: N.J. 1982.
- *Philosophy of Logic* (2<sup>nd</sup> Edition)-Quine, Harvard University Press, Cambridge M.A., 1986
- Reference & Modality by Quine in *From a Logical Point of View* -by W.V.Quine, 1963, NY, Harvard University Press
- *Philosophy of Language*- A. P. Martinich, 1985, Oxford University Press, USA
- The Runabout Inference –Ticket by A.N.Prior., in *Analysis* 21, 1960-1961
- Tonk, Plonk, and Plink by Nuel Belnap , in *Analysis* 22, 1961-1962

### 32.3 Advaita Vedanta 4

- a. *Vdanta Paribhasa* ( Pramanas excluding Pratyaksa )
- b. *Shrimadbhagavadgita*(*Samkhya-yoga adhyaya*)

Suggested Readings:

- *Vedanta Paribhasa* - Dharmarajadhvarindra ( annotated in Bengali by Pt. Pancanan Sastri), Sanskrit Pustak Bhandar
- *Vedanta Paribhasa* - Dharmarajadhvarindra ( with Paribhasa-samgraha tika in Sanskrit by Pt. Pancanan Sastri), Pt. Pancanan Sastri
- *Shrimadbhagavadgita with Gurarthadipika tika: Samkhya-yogaAdhyay* (translated and annotated in Bengali by Bhutanath Saptatirtha, Navabharat Publications, Kolkata)

### 32.4 Nyaya 4

- a. Bhasapariccheda with Muktavali (Pratyaksakhanda, karika 24-50)

b. Padarthatattva-Nirupanam (Selections: dik, kala, akasa, paramanu and dvyanuka)

Suggested Readings:

- *Bhasapariccheda with Muktavali* by Viswanath Nyayapancanan (translated and annotated in Bengali with Muktavali-samgraha tika in Sanskrit by Pancanan Sastri), Sanskrit Pustak Bhandar
- *Padarthatattva-Nirupanam*-Raghunath Siromani (edited and annotated by Madhusudan Bhattacharya ) Sanskrit College, Kolkata
- *Encyclopedia of Indian Philosophies, vol. vi* - Karl H. Potter & Sibajiban Bhattacharyya (eds.), Motilal Banarsidass, Delhi

### 32.5 Indian Logic 4

Vyaptipancaka with Mathuri ( 1<sup>st</sup> & 2<sup>nd</sup> definitions of vyapti )

Suggested Readings:

- *Vyaptipancakarahasyam*-Mathuranatha
- *Vyaptipancaka*-Rajendranath Ghosh (tr.)
- "Some aspects of Navya-Nyaya Theory of Inference" by Shibajiban Bhattacharyya, in *Indian Logic: A Reader*-Jonardon Ganeri (ed.)
- *Vyaptipancakam*-Sri Shailajapati Mukhopadhyay (tr. & ed.), Sanskrit Pustak Bhandar
- *Gangesa's Theory of Invariable Concomitance*-C.G. Goekoop

### 32.6 Indian Philosophy of Language 4

Modern Interpretations:

- a. Epistemology of Testimony
- b. Nature of Sabda Pramana: A debate between J.N. Mohanty and Arindam Chakrabarty
- c. Empty Names in Indian Philosophy of Language
- d. Indexicals in Indian Philosophy of Language

Recommended texts:

For a.

- *Language Testimony and Meaning*- Sibajiban Bhattacharyya, Chapter-3, section 1 and 3. Delhi: ICPR, 1998

For b.

- 'Understanding Falsehood: A Note on the Nyaya Concept of Yogyata'- A. Chakrabarty in *Journal of Asiatic Society*, Vol 28, 1986, pg 10-20
- *Reason and Tradition in Indian Thought*- J.N. Mohanty, Chapter on 'Remarks on the Pramana Theory'. Oxford: Clarendon Press, 1992

For c.

- *Epistemology, Logic, and Grammar in Indian Philosophical Analysis*- B.K. Matilal, (Chapter 4), Oxford University Press, 2006.

For d.

- *Semantic Powers*- Jonardon Ganeri, (Chapter 7), Oxford: Clarendon Press, 1999

## 32.7 Western Philosophy of Language 4: Language and Continental Philosophy

- a) Semiotics:
  - i) Ferdinand de Saussure: Dualistic notion of signs—Signifier and Signified.
  - ii) Husserl: speech and phenomena.
  - iii) Derrida’s critique.
- b. Hermeneutics:
  - i) Heidegger
  - ii) Gadamer

Suggested Readings:

- *Course in General Linguistics*- Ferdinand de Saussure, Open Court House.
- *Logical Investigations*-Husserl
- *On Way to Language*- Heidegger.
- *Being and Time*- M. Heidegger, trans. John Macquarrie and Edward Robinson, San Francisco: Harper, 1962.
- *Truth and Method*- H. G. Gadamer, trans. J. Weinsheimer and D.G. Marshall, New York: Continuum, 1994.
- *Philosophical Hermeneutics*- H.G. Gadamer, trans. D.E. Linge, Berkeley: University of California Press, 1976.
- *Of Grammatology*- J. Derrida, trans. Gayatri Chakravorty Spivak, Baltimore: John Hopkins University Press, 1974.
- *Hermeneutics- East and West*- Krishna Roy.

## 32.8 Applied Ethics 4

- Ethics in Management
- a. Management by Value Programmes: A qualitative appraisal
  - b. Ethical vision of management: A Vedantic Outline
  - c. Introduction to Total Quality Management
  - d. Evolution of management thought
  - e. Management in future
- Management in Teaching and Learning process :
    - a. Student –teacher relationship

Suggested Readings:

- *Management by Values: Towards Cultural Congruence*-S.K. Chakraborty, (Ch.4), 1991, Delhi: Oxford University Press
- *Ethics in Management*-S.K. Chakraborty, (Ch.1 & 5), 1995, Delhi:Oxford India Paperback
- *Cases in Total Quality Management*-Joel E. Ross, (Ch.1), 1995, New Delhi, Vanity Books International.
- *Ethics in Management*-S. A. Sherlekar, (Ch. 5-7), 1998, Mumbai:Himalaya Publishing House
- *Management Ethics-Integrity at Work*-J. A. Petrick & John F. Quinn,1997, New Delhi, Sage series on Business Ethics, Response Ethics.
- *Taittiriya Upanisad*
- *Theory & Principles of Education* – J. C. Aggarwal, Delhi, Bikash Publishing House
- *Assessment In Education: Principles, Policy & Practice*- VolNo-18, Routledge

## 32.9 Feminist Philosophy 4

### Feminist Political Philosophy

Gender politics; private/public; State as a patriarchal instrument; empowerment of women

Some practical issues:

- i) Domestic violence
- ii) Unpaid household labour
- iii) The politics of body; abortion; birth-control

### Suggested Readings:

- *Women in Western Political Thought*-Susan Mollar Okin, 1979, Princeton,NJ: Princeton University Press
- *Public Man, Private Woman: Women in Social and Political Thought*-J.B. Elsthain,1981, Princeton,NJ: Princeton University Press
- *Feminist Politics and Human Nature*-Alison Jagger,1983,Totowa, NJ: Rowman & Allenheld
- *Body Talk: Philosophical Reflections on Sex and Gender*-J. Zita,1998, NY: Columbia University Press
- *Bodies that Matter: On the Discursive Limits of "Sex"*- J.Butler,1993,London:Routledge
- *Reconstructing Political Thought: Feminist Perspectives*-M.L. Shanley & U. Narayn,1996, University Park: Pennsylvania State University
- *The Time Bind: When Work Becomes Home and Home Becomes Work*-Arlie Russell Hochschild,2001, NY: Henry Holt
- *The Household: from Labour to Care*-S.Immelweit (ed.),2000, London:Macmillan
- *Sentenced to Everyday Life: Feminism and the Housewife*-Lesley Johnson & Justine Lloyd, 2004, Berg

- *Dignity and Daily Bread*-S. Rowbotham & S. Mitter (eds),1994, London: Routledge
- “As if there were fetuses without women : A remedial essay” by Mary B. Mohowald in *Applied Ethics*-L. May & S.R. Sharratt (eds),1994,NJ: Prentice-Hall
- “Selective termination of pregnancy and women’s reproductive autonomy” by Christine Overall in *Applied Ethics*-L. May & S.R. Sharratt (eds),1994,NJ: Prentice-Hall

## 32.10 Philosophy of Mind 4

### Contemporary Issues in Philosophy of Mind

- Internalism and Externalism
- The Extended Mind
- The problem of Other Minds
  - Introduction to the problem of Other Minds
  - Theory Theory
  - Simulation Theory
- Personal Identity

#### Suggested Readings:

- “Mental Content” in *Philosophy of Mind* ( Chapter 8)- J. Kim, Westview Press, Colorado, 1998
- “The Extended Mind” by A. Clark and J. Chalmers in *Analysis* 58, 1998.
- *Matter and Consciousness* ( Chapter 4)-P.M. Churchland, 1984, MIT Press.
- *Theories of Theories of Mind*- Peter Carruthers, 1996, Cambridge University Press.
- *Mental Simulations*- Martin Daves & Tony Stone (ed.), ( Chapter 2)-A.I. Goldman, 1995, Blackwell.
- *Simulating Mind: The Philosophy, Psychology and Neuroscience of Mind Reading*- A.I. Goldman, 2008, OUP.
- “Reductionism and Personal Identity” by Derek Parfit in *Philosophy of Mind: Classical and Contemporary Readings*-D.J. Chalmers, OUP,2002

## 32.11 Philosophy of Science 4

### Science in India

#### a) Science in Ancient India

##### Suggested Reading

- *Positive Science of the Ancient Hindus*-B.N. Seal, 1991 (Reprint), Delhi, Saujanya Books.

#### b) Science in Colonial/ Post colonial India

##### i) Science in Colonial India

ii) Reception of Modern Science in India

Suggested Readings:

- ‘Reconfiguring the Centre: The Structure of Scientific Exchanges Between Colonial India and Europe’- D. Raina, in *Minerva* (1996), 34.
- *Images and Contexts: Studies in the Historiography of Science in India*- D. Raina, 2003, Oxford University Press.
- *Domesticating Modern Science: A Social History of Science and Culture in Colonial India*- D. Raina and S. Irfan Habib, 2004, Tulika Books.
- Mahabharata: Shantiparva (Rajdharna)

### 32.12 Formal Semantics 4

a) Semantic languages for Intensional Logic

b) Modal Logic

c) Modal Semantics

Suggested Readings:

- David R. Dowty, Robert E. Wall, Stanley Peters, *Introduction to Montague Semantics*, D. Reidel Publishing Company, Dordrecht, 1981
- R. Montague, *The Proper Treatment of Quantification in Ordinary English*, published in Jaakko Hintikka, Julius Moravcsik, Patrick Suppes (eds.): *Approaches to Natural Language*. Dordrecht 1973, 221–242.
- P. Martinich (ed.), *The Philosophy of Language*, Oxford University Press, 1985
- Saul Kripke, *Naming and Necessity*, Harvard University Press, 1980
- *Journal of Semantics*, Oxford Journals, Oxford University Press