

Saurashtra University

Philosophy

[M.Phil.]

Syllabus

In force from

June – 2016

## M.Phil. Sem. I

CCT. 01

Research Methodology

CCT. 02

Advanced Mathematical Logic

## M.Phil. II

ECT. 01

Indian Dialectic

Dissertation.

## M.Phil. (Philosophy)

### Semester – 1

Sr. No.	UNIQUE CODE	Course Code	Course Title	Hours / Week	Credit
1	1601210103010100	CCT – 01	Research Methodology	4	4
2	1601210103010200	CCT - 02	Advanced Mathematical Logic	4	4

### Semester – 2

Sr. No.	UNIQUE CODE	Course Code	Course Title	Hours / Week	Credit
1	1601210503020100	ECT – 01	Indian Dialectic	4	4
2	1601210103020300	CCT - 03	Dissertation	4	4

## M.Phil.

### CCT. – 1 - Paper – 1

Course (Paper) Unique Code CORE

1601210103010100

#### Research Methodology

- Unit – 1 The meaning and interpretation of Research in Philosophy. The logical connection of research with invention and discovery.
- Unit – 2 The nature of Philosophical research – pure research construction of a Philosophical system or principle from un schematized philosophical ideas and trends.
- Unit – 3 The nature of the development and evolution of Philosophical research – Methodology of Dialectic and polemic. Historical examples from Indian Philosophy. Navya Nyaya Method for the search of definition : Case study of
- (i) The definition of svayamprakashtva in Citsukhi.
  - (ii) Gangesh definition of vyapti.
- Unit – 4 Interpretation and evolution of a Philosophical Position or principle in contemporary reference. Case study: interpretation of Kant by Michel Friedman and Navya Nyaya by matilal.
- Unit – 5 Research in the area of definite knowledge – Logical syntax Hypothetico – deductive / Axiomatic approach Research in the foundation of set – theory and mathematics. Research in the methodology.
- Unit – 6 Applied Research - social / cultural and Historical interpretation – Folicauil, Derrida and Haber mass approaches – evolution – construction of Philosophical principles in contemporary Indian thoughts.

## Books

- (1) Soloman E. Indian Dialectic.
- (2) Popper K. The Logic of Scientific discovery.
- (3) Friedman. M. Kant and exact Science.
- (4) Pass more J. Philosophical reasoning.
- (5) Matila! B. Language logic and Reality.
- (6) Matila! B. The docttine of negation in Navya – Nyaya.
- (7) Gangesh. Tattvacintamani.
- (8) Citsukha. Citsukhi.
- (9) Rosenbery. Contemporary readings in Philosophy of Science.
- (10) Carnap R. Meaning and necessity.
- (11) Carnap R. Logical foundation of probability.
- (12) Carnap R. The logical syntax of language.

M.Phil.

CCT. 2 - Paper – 2

Course (Paper) Unique Code CORE 1601210103010200  
Advanced Mathematical Logic

1. Primitive recursive functions-course of value recursion  
uniformity-Gödel's B-function number theoretic  
formalism.
2. Arithmatization of meta mathematics-Recursive meta  
mathematical definitions. Inductive and recursive  
definition.
3. General Recursive functions – formal calculation –  
Arithmatization of formalism.
4. The  $\mu$  - operator, enumeration, diagonal procedure.
5. Church's theorem, the generalized Gödel's theorem.
6. Symmetric form of Gödel's theorem.

Books:

- (1) Kleene S. C. (1952) Introduction to meta  
Mathematical.
- (2) Kleene S. C. (1952) Mathematical Logic
- (3) Manin Y. I. (1977) A course in Mathematical  
Logic.
- (4) Church A. (1952) Introduction to  
mathematical Logic.

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ECT. 01 - Paper – 1

Course (Paper) Unique Code FOUNDATION/ICT 1601210503020100

### Indian Dialectic

1. Rational background of Indian Philosophy methodology of Dialectic Vakyaovakya in Upanisads –Dialectic in Ramayan and Mahabharata.
2. Dialectic in Indian Medical Science and Law.
3. Dialectic in Budhistic Philosophy Nagajun's Vighraha Vyavareini and Madhyamika Karika.
4. Dialectic in Harsa and Jayarshi bhatta possibility of knowledge.
5. Dialectic in Navya – Nyaya techniques and implications.

### Books:

1. Soloman E. S. : Indian Dialectic Vo. I-II
2. Harsa. : Khandan Khanda Khadya.
3. Bhatti Jayrashi : Tattvopaplavasinh.
4. Nagarjan : Vighraha Vyavartini and Madyamika Karika.
5. Gyha : Navya-Nyaya System Logic.

**Course(Paper) Title:  
Dissertation**

PAPERNO: 3

Course (Paper) Unique Code CORE 1601210103020300