COURSE WORK RESEARCH COMPONENT

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 svayamprakashtta 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.


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.
(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.
COURSE WORK ADVANCED COURSE COMPONENT

1. Primitive recursive functions-course of value recursion uniformity-Gödel’s B-function number theoretic formalism.
4. The μ - operator, enumeration, diagonal procedure.
5. Church’s theorem, the generalized Gode’s theorem.

Books:
(1) Kleene S. C. (1952) Introduction to meta Mathematical.
(2) Kleene S. C. (1952) Mathematical Logic
(4) Church A. (1952) Introduction to mathematical Logic.