

CORE COURSE - XI - LOGIC (WESTERN AND INDIAN)

UNIT- I :

Western Logic - Definition and division of logic - Logic and Psychology Logic and Ethics - Utility of Logic - Terms, words, sentences and propositions - Connotation and denotation - Classification of terms and propositions - Distribution of terms.

UNIT - II :

Immediate inference - opposition of propositions square of opposition - Education - conversion and observation - Mediate inference - Categorical syllogism - General rules - figures and moods - Hypothetical and disjunctive syllogisms.

UNIT - III :

Induction - its problem - Postulates of Induction - stages of Induction - Fallacies in Hypothesis, observation and Analogy - Fallacies

UNIT -IV :

Indian Logic - Factors in knowledge - Prama, Premeya, Pramiti and pramana - Doctrine of Pramana - Pratyaksha - Theories of Perception (six systems) - Place and function of self and mind in perception- Different types of perception.

UNIT- V :

Anumana - Definition - kinds - five membered syllogisms - Ascertainment of vyapti - upamana, sabdha, Arthapathi and Anupalabdhi The theories of Truth and Error (khyati - Vadas).

BOOKS FOR REFERENCE

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|-------------------------|---|
| 1. Bholonath Roy | - Deductive and Inductive Logic |
| 2. Coenen and Kegal | - An Introduction to Logic and Scientific Methods. |
| 3. Datte, D.M. | - Six ways of knowing. |
| 4. Banerjee N.V. | - The Spirit of Indian Philosophy |
| 5. Maitra, S. K | - Fundamental questions of Indian Metaphysics and Logic |
| 6. Kuppasami Sastri . S | - A Primer of Indian Logic |
| 7. Barlingay S.S | - A modern Introduction to Logic |
| 8.. Chatterjee .S.C | - Nyaya Theory of Knowledge |