

THIRD YEAR B.A., PHILOSOPHY - SEMESTER-V
CORE-5: LOGIC AND SCIENTIFIC METHOD (5.1) (MINOR)
SYLLABUS

Unit-1 : 15 Hours

Logic - Definition, Nature and Scope of the Logic - Fundamental Laws of Thought - Law of Identity - Law of Non-contradiction - Law of Excluded Middle - Law of Sufficient Reason

Unit-2: 15 Hours

Traditional Logic - Aristotle - Classification of Propositions - Quantity and Quality - Categorical Syllogism - Rules of Validity - Fallacies

Unit-3: 15 hours

Boolean Interpretation of Propositions - Venn Diagrams representing Propositions - Figures and Moods of Categorical Syllogism

Unit-4: 15 Hours

Modern Classification of Propositions - Basic Truth Tables - Symbolic Logic - Rules of Inference - Formal Deduction
Indian Logic - Pramanas - Anumana

Unit-5: 15 Hours

Hypothesis and Scientific Method - Analogy- Observation - The Method Of Experimental Inquiry.

Readings:

Irving M. Copi - Introduction to Logic

Irving M. Copi - Symbolic Logic

A. N. Prior - Formal logic

A. Singh and C. Goswamy - Fundamentals of Logic.