SECOND YEAR B.A. - SEMESTER-IV
CORE-5: FORMAL LOGIC
SYLLABUS

Unit-1 : 15 Hours

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

Unit-2: 15 Hours

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

Unit-3: 15 hours

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

Unit-4: 15 Hours

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

Readings:
Irving M. Copi ñ Introduction to Logic
Irving M. Copi ñ Symbolic Logic
A. N. Prior ñ Formal logic
A. Singh and C. Goswamy ñ Fundamentals of Logic