

SADAR PATEL UNIVERSITY
BA (Logic & Philosophy) Generic Elective Semester-II
UA02GPHI22 Introduction to Indian Logic

Objectives:

1. To introduce students to logical techniques of thinking process.
2. After the completion of the course the students are able to argumentatively examine and apply logical techniques to general thinking.

Unit I: VALIDITY/ INVALIDITY

Techniques of Logic, Methods of Proof, Venn's Circles, Disjunctive syllogism, Mixed Hypothetical Syllogism, dilemma.

Unit II: INDUCTION

Induction as a way of reasoning, analogy
Problem of Induction
Laws of Causation
Uniformity of Nature

Unit III: SCIENTIFIC METHOD

Explanation, Scientific Explanation
Hypothesis
Laws of Nature
Mills Methods

Unit IV: INDIAN LOGIC

Indian Logic- Its Nature
Concept of Anumāna
Akhyativada
Indian views on Metaphysics and Epistemology

Reference Books:

1. Copi, I.M. & Carl Cohen, 1998, *Introduction to Logic* Delhi, Pearson Education
2. Basson & O' Connor, 1953, *Introduction to Symbolic Logic*, London, University Tutorial Press Ltd.
3. Suppes, Patric., 1969, *Introduction to Logic*, New Delhi, East West Press
4. Chatterjee, S.C., 1939, *Nyaya Theory of Knowledge*, Calcutta, University of Calcutta.