

**SADAR PATEL UNIVERSITY**  
**BA (Logic & Philosophy) Core Course Semester-II**  
**UA02CPHI22 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.