

**SADAR PATEL UNIVERSITY**  
**BA (Logic & Philosophy) Sem.- I**  
**Generic Elective**  
**UA01GPHI22: Introduction to Logic-I**

**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 -1. Introduction**

What is Philosophy, Place of Logic in Philosophy, Definition of Logic, Relevance of Logic and its relation to other disciplines, Logic as a formal science, Truth and validity.

**Unit -2. Reasoning**

Deductive way of reasoning  
Inductive way of reasoning.  
Laws of Thought  
Principles of logical thinking using symbolic forms.

**Unit -3. Logic**

Type of Definition, Purposes of Definition, Various kinds of meaning, Aristotelian Logic and Modern Logic, Logical Propositions, Relation between Propositions, Constants, Variables.

**Unit -4. Techniques**

Modes, Figures of syllogism  
Examples/ fallacies  
Opposition of Propositions  
Inference- Mediate, Immediate

**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. Dr. Yajnik and Prof. Patel : Arvachin Tarkashastra Pravesh, Swapnil Prakashan, Wadhwan
5. Rajeshree Dave : Tarkashastra, University Granthnirman Board, Ahmedabad.
6. The Elements of Indian Logic : B.L.Atreya, Nalanda Publications, Bombay