



**SARDAR PATEL UNIVERSITY**  
**Vallabh Vidyanagar, Gujarat**  
**(Reaccredited with 'A' Grade by NAAC (CGPA 3.25))**  
**Syllabus with effect from the Academic Year 2021-2022**

**BA- Philosophy – Semester- II**  
**Syllabus with effect from the Academic Year 2021-2022**

Course Code	UA02GPHI52	Title of the Course	Introduction to Logic-II
Total Credits of the Course	04	Hours per Week	04

Course Objectives:	1. To introduce students to logical techniques of thinking process.
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Course Content		
Unit	Description	Weightage* (%)
1.	Validity/ invalidity- Techniques of Logic, Methods of Proof, Venn's Circles, Disjunctive syllogism, Mixed Hypothetical Syllogism, dilemma.	25
2.	Induction- Induction as a way of reasoning, analogy, Problem of Induction, Laws of Causation, Uniformity of Nature	25
3.	Scientific method- Explanation, Scientific Explanation, Hypothesis Laws of Nature, Mills Methods	25
4.	Indian logic- Indian Logic- Its Nature, Concept of Anumāna Akhyativada, Indian views on Metaphysics and Epistemology	25

Teaching-Learning Methodology	Lecture, Recitation, Group discussion, Guest speaker, Debate, Assignments, Field trips, Seminar, Quizzes
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%



Course Outcomes: Having completed this course, the learner will be able to

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| 1. | Doing correct logical arguments.  |
| 2. | Find errors in incorrect arguments.   |
| 3. | General competence.   |
| 4. | Discuss logical arguments and their correctness with others.                      |
| 5. | Communicate the basic concepts of logic and their relevance for computer science. |

Suggested References:

Sr. No.	References
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

On-line resources

<https://fivebooks.com/best-books/logic-tom-stoneham>

<https://www.routledge.com/Introduction-to-Logic/Copi-Cohen-Rodych/p/book/9781138500860>

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