

Department of Liberal Education
Era University, Lucknow
Course Outline
Effective From: 2023-24

Name of the Program	B.A. / B.Sc. (LIBERAL EDUCATION)			Year/ Semester:	2nd / 4th
Course Name	Western and Indian Logic	Course Code:	PHI202	Type:	Theory
Credits	05			Total Sessions Hours:	75 Hours
Evaluation Spread	Internal Continuous Assessment:	50 Marks		End Term Exam:	50 Marks
Type of Course	<input type="radio"/> Compulsory	<input checked="" type="radio"/> Core	<input type="radio"/> Creative	<input type="radio"/> Life Skill	
Course Objectives	<ol style="list-style-type: none"> 1. To learn the basic of logical thinking 2. To understand symbolic logic and be able to apply them in real life problems 3. To be able to form valid logical arguments 4. To understand the importance of logical argumentation from Indian context 				
Course Outcomes (CO): <i>After the successful course completion, learners will develop following attributes:</i>					
Course Outcome (CO)	Attributes				
CO1	To recognize the arguments from conversations of daily life.				
CO2	To analyze the arguments in order to explore its hidden dimensions.				
CO3	To decide the correctness and incorrectness of arguments.				
CO4	To presenting his/her own arguments in a systematic, logical and satisfactory manner.				
Pedagogy	Interactive, discussion-bases, student-centered, presentation.				
Internal Evaluation Mode	Mid-term Examination: 20 Marks Activity: 10 Marks Class test: 05 Marks Online Test/Objective Test: 05 Marks Assignments/Presentation: 05 Marks Attendance: 05 Marks				
Session Details	Topic			Hours	Mapped CO
Unit 1	Fundamentals of Logic <ol style="list-style-type: none"> 1. What is Logic? 2. Propositions and Sentences 3. Arguments, Premises and Conclusions 4. Validity and Truth Activity- Chart preparing on propositions and arguments.			20	CO1
Unit 2	Deductive Logic <ol style="list-style-type: none"> 1. Theory of Deduction 2. Categorical Propositions and Classes 3. Traditional Squares of Opposition 4. Categorical syllogism 5. Symbolic Language 			25	CO1, CO2, CO4

	6. Formal Proofs of Validity Activity- Quiz competition.		
Unit 3	Inductive Logic 1. Theory of Induction 2. Mill's Methods Activity- Debate on Mill's methods.	10	CO2, CO3, CO4
Unit 4	Logic of Nyaya Darshan 1. Inference in Nyaya: Introduction 2. Types of inference 3. Fallacies of Inference (Hetvabhasa) Activity- Easy writing.	20	CO3,CO4

CO-PO and PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1									2				1	
CO2	2	2											1	
CO3	1	2							1				1	
CO4	3	2							3				1	

Strong contribution-3, Average contribution-2, Low contribution-1,

Suggested Readings:

Text- Books	<ol style="list-style-type: none"> 1. Cohen, Carl and Copi, M. Irving, Introduction to Logic 2. Bhattacharya, Gopinath, Tarkasamgraha with Dipika 3. Hurley, J. Patrick., A Concise Introduction to Logic
Reference Books	<ol style="list-style-type: none"> 1. Chakraborti, C. (2007) Logic: Informal, Symbolic and Inductive, New Delhi: Prentice Hall of India 2. Cohen, R. Morris., An Introduction to Logic
Para Text	<p>Articles:</p> <ol style="list-style-type: none"> 1. https://www.mindtools.com/pages/article/newTMC_81.htm 2. https://www.jstor.org/stable/24664281 <p>Videos:</p> <ol style="list-style-type: none"> 1. https://youtu.be/33Zkmg1s6QY 2. https://youtu.be/4ZKa1S1wPy4 3. https://youtu.be/_y3vJx3KUWw 4. https://youtu.be/OBYmeLBWjel

Recapitulation & Examination Pattern

Internal Continuous Assessment:

Component	Marks	Pattern
Mid Semester	20	Section A: Contains 10 MCQs/Fill in the blanks/One Word Answer/ True-False type of questions. Each question carries 0.5 mark . Section B: Contains 07 descriptive questions out of which 05 questions are to be attempted. Each question carries 03 marks .
Activity	10	Will be decided by subject teacher.
Class Test	05	Contains 05 descriptive questions . Each question carries 01 mark.

Online Test/ Objective Test	05	Contains 10 multiple choice questions . Each question carries 0.5 mark.
Assignment/ Presentation	05	Assignment to be made on topics and instruction given by subject teacher.
Attendance	05	As per policy.
Total Marks	50	

Course created by: **Mr. Deepak Kumar**

Signature:

Approved by: **Koshy Tharakan**

Signature:

