



# Indraprastha College for Women

## University of Delhi

### Work Plan for ODD SEMESTER – 2025

Course Name:	B.A. Program
Paper Title:	Logic
Unique Paper Code:	2102201102
Semester:	I
Faculty(s):	Dr. Akham Hemabati Devi
Year:	2025 - 2026

<b>Work Plan</b>			
Unit No.	Learning Objective	Lecture No.	Topics to be Covered
I	It helps in developing one's skill in correct reasoning or argumentation.	1.	<b>Basic Logical Concepts</b>
		2.	Proposition and Sentence
		3.	Proposition and Sentence
		4.	Deductive argument
		5.	Deductive argument
		6.	Truth, Validity, and Soundness
		7.	Truth, Validity, and Soundness
		8.	Truth, Validity, and Soundness
II	It helps the student to construct good and sound arguments rejecting the vague and unsound ones at any point of time and situation	9.	<b>Traditional Logic (A)</b>
		10.	Terms and Distribution of terms
		11.	Terms and Distribution of terms
		12.	Categorical Propositions
		13.	Categorical Propositions
		14.	Traditional Square of Opposition and Existential Import
		15.	Traditional Square of Opposition and Existential Import

		16.	Traditional Square of Opposition and Existential Import
		17.	Traditional Square of Opposition and Existential Import
		18.	Translating Ordinary Language Sentences into Standard form
		19.	Translating Ordinary Language Sentences into Standard form
		20.	Translating Ordinary Language Sentences into Standard form
		21.	<b>Traditional Logic (B)</b>
		22.	Immediate Inferences- Conversion, Obversion, and Contraposition
		23.	Immediate Inferences- Conversion, Obversion, and Contraposition
		24.	Categorical Syllogism: Figure and Mood
		25.	Categorical Syllogism: Figure and Mood
		26.	Syllogistic Rules and Fallacies
		27.	Syllogistic Rules and Fallacies
		28.	Venn Diagram
		29.	Venn Diagram
		30.	Venn Diagram
III	It helps in sharpening the reasoning and argumentation skills of a learner and simultaneously helps in identifying the flaws.	31.	<b>Symbolization</b>
		32.	Types of Truth functions: Negation, Conjunction, Disjunction (Alternation), Conditional (Implication), and Bi-Conditional (Equivalence)
		33.	Types of Truth functions: Negation, Conjunction, Disjunction (Alternation), Conditional (Implication), and Bi-Conditional (Equivalence)
		34.	Types of Truth functions: Negation, Conjunction, Disjunction (Alternation), Conditional (Implication), and Bi-Conditional (Equivalence)
		35.	Types of Truth functions: Negation, Conjunction, Disjunction (Alternation), Conditional (Implication), and Bi-Conditional (Equivalence)
		36.	Types of Truth functions: Negation, Conjunction, Disjunction (Alternation),

			Conditional (Implication), and Bi-Conditional (Equivalence)
		37.	Statements, Statement forms, and Logical status
		38.	Statements, Statement forms, and Logical status
		39.	Statements, Statement forms, and Logical status
		40.	Statements, Statement forms, and Logical status
		41.	Statements, Statement forms, and Logical status
		42.	Statements, Statement forms, and Logical status
		43.	Statements, Statement forms, and Logical status
		44.	Statements, Statement forms, and Logical status
		45.	Decision procedures: Truth table Method and Reductio ad Absurdum
		46.	Decision procedures: Truth table Method and Reductio ad Absurdum
		47.	Decision procedures: Truth table Method and Reductio ad Absurdum
		48.	Decision procedures: Truth table Method and Reductio ad Absurdum
IV	It helps to enhances analytical skills so that one can resolve difficult issues and finally arrives at a reasonable solution	49.	<b>Indian Logic</b>
		50.	Debate
		51.	Debate
		52.	Debate
		53.	Logic
		54.	Logic
		55.	Logic
		56.	Logic
		57.	Steps of Inference in Indian Logic
		58.	Steps of Inference in Indian Logic
		59.	Steps of Inference in Indian Logic
		60.	Steps of Inference in Indian Logic

Unit	Contents/Syllabus
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I	<b>Basic Logical Concepts:</b> 1. Proposition and Sentence 2. Deductive argument 3. Truth, Validity, and Soundness
II	<b>Traditional Logic (A):</b> 1. Terms and Distribution of terms 2. Categorical Propositions 3. Traditional Square of Opposition and Existential Import 4. Translating Ordinary Language Sentences into Standard form <b>Traditional Logic (B)</b> 1. Immediate Inferences- Conversion, Obversion, and Contraposition 2. Categorical Syllogism: Figure and Mood 3. Syllogistic Rules and Fallacies 4. Venn Diagram
III	<b>Symbolization:</b> 1. Types of Truth functions: Negation, Conjunction, Disjunction (Alternation), Conditional (Implication), and Bi-Conditional (Equivalence) 2. Statements, Statement forms, and Logical status 3. Decision procedures: Truth table Method and Reductio ad Absurdum
IV	<b>Indian Logic:</b> 1. Debate 2. Logic 3. Steps of Inference in Indian Logic
<b>S. No.</b>	<b>Name of Authors/Books/Publishers</b>
1.	1. Copi, Irving M. <i>Introduction to logic</i> . 6th Ed. New York London: Macmillan Collier Macmillan, 1982. Ch5-7.
2.	2. Ganeri, Jonardon (2001). <i>Indian Logic a Reader</i> . Psychology Press.
3.	<b>Suggestive Readings:</b> Jain, Krishna. <i>A Textbook of Logic</i> . New Delhi: D.K. Printworld, 2018.

<b>Paper Components</b>			
<b>Credits</b>	<b>Lecture (L)</b>	<b>Tutorial (T)</b>	<b>Practical (P)</b>
<b>4</b>	<b>3</b>	<b>1</b>	<b>NIL</b>
<b>Assessment Scheme</b>			
<b>S.No.</b>	<b>Component</b>	<b>Marking Scheme</b>	<b>Total Marks</b>
1	Internal Assessment		<b>30</b>

	<ul style="list-style-type: none"> <li>• Assignment/Quiz/Project/Presentation</li> </ul>	12	
	<ul style="list-style-type: none"> <li>• Class Test</li> </ul>	12	
	<ul style="list-style-type: none"> <li>• Attendance</li> </ul>	6	
2.	<b>Continuous Assessment (Tutorial)</b>		40
	<ul style="list-style-type: none"> <li>• Activity 1</li> </ul>	20	
	<ul style="list-style-type: none"> <li>• Activity 2</li> </ul>	15	
	<ul style="list-style-type: none"> <li>• Attendance</li> </ul>	5	
3.	<b>Practical</b>	NA	NA
	<ul style="list-style-type: none"> <li>• Continuous Assessment</li> </ul>	NA	
	<ul style="list-style-type: none"> <li>• End Term Written/Practical Exam</li> </ul>	NA	
	<ul style="list-style-type: none"> <li>• Viva</li> </ul>	NA	
4.	<b>End Semester Examination</b>		90