



Indraprastha College for Women

University of Delhi

Work Plan for ODD SEMESTER – 2025

Course Name:	BAP DSE 6
Paper Title:	Symbolic Logic
Unique Paper Code:	
Semester:	VII
Faculty(s):	Dr. Paulavi Das
Year:	2025

Work Plan			
Unit No.	Learning Objective	Lecture No.	Topics to be Covered
Unit 1	Natural Deduction	1	Introduction
		2	Introduction
		3	Relevance of Symbolic Logic
		4	Relevance of Symbolic Logic
		5	Formal proof of validity: Rules of Inference and Rules of Replacement
		6	Formal proof of validity: Rules of Inference and Rules of Replacement
		7	Formal proof of validity: Rules of Inference and Rules of Replacement
		8	Practice
		9	Techniques for proving validity/invalidity: Conditional Proof and Indirect Proof
		10	Techniques for proving validity/invalidity: Conditional Proof and Indirect Proof
		11	Proofs of Tautologies
Unit 2	Quantification Theory	12	Symbolization of Singular, General and Multiply-general propositions
		13	Symbolization of Singular, General and Multiply-general propositions

		14	Restrictions on Quantifier Rules
		15	Restrictions on Quantifier Rules
		16	Derivations with Conditional Proof and Indirect Proof
		17	Derivations with Conditional Proof and Indirect Proof
		18	Proving invalidity
		19	Proving invalidity
		20	Practice
		21	Practice/IA
Unit 3	The Logic of Relations	22	Symbolization: Relation
		23	Symbolization: Relation
		24	Some attributes of relations
		25	Some attributes of relations
		26	Some attributes of relations
		27	Predicate Variables and Attributes of Attributes
		28	Predicate Variables and Attributes of Attributes
		29	Practice
Unit 4	Modal Logic	30	Arguments involving modals
		31	Arguments involving modals
		32	Arguments involving modals
		33	Arguments involving modals
		34	Symbolizing Modalities
		35	Symbolizing Modalities
		36	Symbolizing Modalities
		37	Symbolizing Modalities
		38	Formal Systems
		39	Formal Systems
		40	Formal Systems
		41	Formal Systems
		42	Practice
		43	.Practice
		44	CA
		45	Revision

Unit	Contents/Syllabus
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I	Copi, I.M. Symbolic Logic, 5th edition. India: Pearson, 2008.Ch1-5 Copi, Irving M. <i>Introduction to logic</i> . 6th Ed. New York London: Macmillan Collier Macmillan, 1982. Ch1. Girle, Rod (2009). Modal Logics and Philosophy, Acumen Publishing, Chapter 1 "Argument and Modality" and 2 "A Simple Modal Logic"
II	Copi, I.M. Symbolic Logic, 5th edition. India: Pearson, 2008.Ch1-5 Copi, Irving M. <i>Introduction to logic</i> . 6th Ed. New York London: Macmillan Collier Macmillan, 1982. Ch1. Girle, Rod (2009). Modal Logics and Philosophy, Acumen Publishing, Chapter 1 "Argument and Modality" and 2 "A Simple Modal Logic"
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S. No.	Name of Authors/Books/Publishers
1.	Copi, I.M. Symbolic Logic, 5th edition. India: Pearson, 2008.Ch1-5
2.	Copi, Irving M. <i>Introduction to logic</i> . 6th Ed. New York London: Macmillan Collier Macmillan, 1982. Ch1.
3.	Girle, Rod (2009). Modal Logics and Philosophy, Acumen Publishing, Chapter 1 "Argument and Modality" and 2 "A Simple Modal Logic"
4.	

Paper Components			
Credits	Lecture (L)	Tutorial (T)	Practical (P)
4	3	1	NIL
Assessment Scheme			
S.No.	Component	Marking Scheme	Total Marks
1	Internal Assessment <ul style="list-style-type: none"> Assignment/Quiz/Project/Presentation 		

	<ul style="list-style-type: none"> • Class Test • Attendance 		
2.	Continuous Assessment (Tutorial) <ul style="list-style-type: none"> • Activity 1 • Activity 2 • Attendance 		
3.	Practical <ul style="list-style-type: none"> • Continuous Assessment • End Term Written/Practical Exam • Viva 		
4.	End Semester Examination		