

Monthly Teaching Plan
MCM DAV College for Women, Sector – 36A, Chandigarh
Odd Semester (Semester-V)
Session – 2025-26

Department: Mathematics
Class: BCA-3RD Year
Subject: Discrete Mathematical structure
Name of the Teacher: Dr Chitra, Ms Promila

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To	Set notations, laws of set theory, partition of sets,	
July	24.07.2025	31.07.2025	Duality principle	Syllabus, Doubt Session.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 30.07.2025				
August	01.08.2025	31.08.2025	Definition of relation and function, graphs, properties, bijective functions, compositions. Linear recurrence relation with constant coefficient	Syllabus, Examination pattern discussed, Doubt Session.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 27.08.2025				
September	01.09.2025	30.09.2025	Particular, total solution and solution by method of generating functions, basic terminology of graphs	Doubt session, Assignments, revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 24.09.2025				
October	01.10.2025	31.10.2025	Multigraphs , weighted graphs, Eulerian path and circuits, traveling salesman problems , planar graphs	Doubt session, Assignments, Power Point Presentations.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 29.10.2025				
November	01.11.2025	13.11.2025	Equivalent and finite state machines, Analysis of algorithms- Complexity problems	Doubt session, Assignments, Power Point Presentations, Question papers discussed. Revision of a few topics
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 12.11.2025				
End semester Examination 14.11.2025 to 26.12.2025				