

Monthly Teaching Plan
MCM DAV College for Women, Sector – 36A, Chandigarh
Odd Semester (Semester-V)
Session – 2024-25

Department: Mathematics

Class: BCA-3RD Year

Subject: Discrete Mathematical structure

Name of the Teacher: Dr Nisha Sharma, Dr Navjot, 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	22.07.2024	31.07.2024	Duality principle	Syllabus, Doubt Session.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.08.2024				
August	01.08.2024	31.08.2024	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 02.09.2024				
September	02.09.2024	30.09.2024	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 01.10.2023				
October	01.10.2024	31.10.2024	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 01.11.2024				
November	01.11.2024	18.11.2024	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 18.11.2024				
End semester Examination 19.11.2024 to 26.12.2024				