

**Lesson Plan**  
**MCM DAV College for Women, Sector – 36A, Chandigarh**  
**Monthly Teaching Plans-Odd Semester (Semester-V)**  
**Session – 2023-24**

**Department: Mathematics**

**Class: BCA-III**

**Subject: Discrete Mathematical structure**

**Name of the Teacher: Ms Chitra, Ms Promila, Ms Sonali**

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
July	24.07.2023	31.07.2023	Set notations, laws of set theory, partition of sets, Duality principle	Syllabus, Doubt Session.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.08.2023</b>				
August	01.08.2023	31.08.2023	Definition of relation and function, graphs, properties , bijective functions , compositions Linear recurrence relation with constant coefficient	Syllabus, Examination pattern discussed, Doubt Session.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.09.2023</b>				
September	01.09.2023	30.09.2023	Particular, total solution and solution by method of generating functions, basic terminology of graphs	Doubt session, Assignments, revision of a few topics.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 03.10.2023</b>				
October	03.10.2023	31.10.2023	Multigraphs , weighted graphs, Eulerian path and circuits, traveling salesman problems , planar graphs	Doubt session, Assignments, Power Point Presentations.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.11.2023</b>				
November	01.11.2023	18.11.2023	Equivalent and finite state machines, Analysis of algorithms- Complexity problems	Doubt session, Assignments, Power Point Presentations, Question papers discussed. Revision of a few topics
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 30.11.2023</b>				
<b>End semester Examination 27.11.2023 to 30.12.2023</b>				