

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

**Department: Mathematics**

**Class: BA/BSc-III**  
**Subject: Mathematics**  
**Paper-I: Analysis I**

**Name of the Teacher: Dr Sonica, Dr Nisha Sharma, Dr Navjot**

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
July	24.07.2023	31.07.2023	Countable and uncountable sets, Riemann Integral.	Syllabus, Examination pattern discussed, 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	Reimann Integration: Conditions of integrability of continuous and monotonic functions, Properties of integrable functions, Continuity of the integral function,	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 01.09.2023</b>				
September	01.09.2023	30.09.2023	Mean Value Theorems, Beta and Gamma functions, Improper Integrals and their convergence	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	Comparison tests, Absolute and Conditional Convergence, Able's and Dirichlet's test, Frullani integral, Integral as a function of a parameter.	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	Continuity, derivability and integrability of a function of a parameter	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 19.11.2023</b>				
<b>End semester Examination 27.11.2023 to 30.12.2023</b>				

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**Session – 2023-24**

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**Class: BA/BSc-III**  
**Subject: Mathematics**  
**Paper-I: Analysis II**

**Name of the Teachers: Dr Sonica, Dr Nisha Sharma, Dr Navjot Kaur**

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
January	09.01.2024	31.01.2024	Double and triple integrals	Syllabus, Examination pattern discussed, Doubt Session.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.02.2024</b>				
February	01.02.2024	29.02.2024	Vector Calculus, Sequences and Series of functions	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 01.03.2024</b>				
March	01.03.2024	30.03.2024	Power Series and Fourier Series	Doubt session, Assignments
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.04.2024</b>				
April	01.04.2024	22.04.2024	Revision	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 23.04.2024</b>				
<b>End semester Examination 02.05.2024 to 05.06.2024</b>				