

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

**Department: Mathematics**

**Class: BA/BSc-II**

**Subject: Mathematics**

**Paper-I: Advanced Calculus I**

**Name of the Teacher: Dr Swati Sidana, Dr Leetika**

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
July	24.07.2023	31.07.2023	Limit and Continuity	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	Partial differentiation and differentiability, Change of variables, Schwarz and young theorems	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	Inverse and implicit functions, Euler's theorem, Taylors theorem	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	Jacobians, Envelopes & Evolutes,	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	Maxima minima, Lagrange's multiplier method	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 19.11.2023</b>				
<b>End semester Examination 27.11.2023 to 30.12.2023</b>				

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

**Department: Mathematics**

**Class: BA/BSc-II**

**Subject: Mathematics**

**Paper-I:Advanced Calculus II**

**Name of the Teacher: Dr Swati Sidana, Dr Leetika**

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	<b>From</b>	<b>To</b>		
January	09.01.2024	31.01.2024	Sequences, Sub Sequences	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	Sequential and uniform Continuity, Series, p test, Comparison test,	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	Cauchy's Integral and root test, Ratio Test, De Morgan test, Gauss test, log test	Doubt session, Assignments, Power Point Presentations.
<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	Leibnitz theorem, Absolute and conditional convergence, Riemann's arrangements.	Doubt session, Assignments, Power Point Presentations, Discussion of previous year question papers, 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>				