

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

Department: Mathematics
Class: BSc-II Mathematics
Subject: Advanced Calculus I
Name of the Teacher: Ms Promila

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
July	22.07.2024	31.07.2024	Limit and Continuity	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	Partial differentiation and differentiability, Change of variables, Schwarz and young theorems	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	Inverse and implicit functions, Euler's theorem, Taylors theorem	Doubt session, Assignments, revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.10.2024				
October	01.10.2024	31.10.2024	Jacobians, Envelopes & Evolutes,	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	Maxima minima, Lagrange's multiplier method	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				

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

Department: Mathematics
Class: BSc-II Mathematics
Subject: Differential Equation I
Name of the Teacher: Ms Promila

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
July	22.07.2024	31.07.2024	Exact differential equations	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	First and higher order equations, Clairaut form	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	Singular solutions, Orthogonal trajectories, Linear differential equations with constant coefficients	Doubt session, Assignments, revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.10.2024				
October	01.10.2024	31.10.2024	Linear differential equations with variable coefficients, linear differential equations of second order	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	Simultaneous differential equations	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				

Monthly Teaching Plans-Odd Semester (Semester-III)
Session – 2024-25

Department: Mathematics
Class: BSc-II Mathematics
Subject: Statics
Name of the Teacher: Dr Chitra

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
July	22.07.2024	31.07.2024	Concurrent Forces	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	Components, Resolved parts of a force, Resultant of forces, Equilibrium of three forces	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	Lami's theorem, Parallel forces, Moments And Couples, Equivalent couples	Doubt session, Assignments, revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.10.2024				
October	01.10.2024	31.10.2024	Varignon's theorem, Resultant of a force and couple, Equilibrium conditions	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	Friction	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				

Lesson Plan
MCM DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans-Even Semester (Semester-IV)
Session – 2024-25

Department: Mathematics
Class: BSc-II Mathematics
Subject: Advanced Calculus II
Name of the Teacher: Ms Promila

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
January	10.01.2025	31.01.2025	Sequences, Sub Sequences	Syllabus, Examination pattern discussed, Doubt Session.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.02.2025				
February	01.02.2025	28.02.2025	Sequential and uniform Continuity, Series, p test, Comparison test,	Doubt session, Assignments, revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.03.2025				
March	01.03.2025	31.03.2025	Cauchy's Integral and root test, Ratio Test, De Morgan test, Gauss test, log test	Doubt session, Assignments, Power Point Presentations.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.04.2025				
April	01.04.2025	26.04.2025	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.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 26.04.2025				
End semester Examination 28.04.2025 to 04.06.2025				

Lesson Plan

MCM DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans-Even Semester (Semester-IV)
Session – 2024-25

Department: Mathematics
Class: BSc-II Mathematics
Subject: Differential Equation II
Name of the Teacher: Ms Promila

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
January	10.01.2025	31.01.2025	Laplace and inverse Laplace transformations	Syllabus, Examination pattern discussed, Doubt Session.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.02.2025				
February	01.02.2025	28.02.2025	Applications of Laplace transformations	Doubt session, Assignments, revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.03.2025				
March	01.03.2025	31.03.2025	Partial Differential equations, Series solutions	Doubt session, Assignments, Power Point Presentations.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.04.2025				
April	01.04.2025	26.04.2025	Bessels's and Legendre's eqns and solutions	Doubt session, Assignments, Power Point Presentations, Discussion of previous year question papers, Revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 26.04.2025				
End semester Examination 28.04.2025 to 04.06.2025				

Lesson Plan
MCM DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans-Even Semester (Semester-IV)
Session – 2024-25

Department: Mathematics
Class: BSc-II Mathematics
Subject: Dynamics
Name of the Teacher: Ms. Sonali

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
January	10.01.2024	31.01.2025	Motion of a particle with constant acceleration, Falling bodies, Law of motion	Syllabus, Examination pattern discussed, Doubt Session.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.02.2025				
February	01.02.2025	28.02.2025	Motion of two particles connected with string, Motion along a plane, Variable acceleration	Doubt session, Assignments, revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.03.2025				
March	01.03.2025	31.03.2025	SHM, Elastic string , Curvilinear motion, Work and Power	Doubt session, Assignments, Power Point Presentations.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 01.04.2025				
April	01.04.2025	26.04.2025	Energy, Relative motion , momentum, Collision of Elastic bodies	Doubt session, Assignments, Power Point Presentations, Discussion of previous year question papers, Revision of a few topics.
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 26.04.2025				
End semester Examination 28.0.2025 to 04.06.2025				