

**Monthly Teaching Plan**  
**Mehr Chand Mahajan DAV College for Women, Sector - 36A, Chandigarh**  
**Monthly Teaching Plans-Odd Semester (Semester-I)**  
**Session – 2025-26**

**Department: Mathematics**  
**Class: MDC (BSc/B.A-I)**  
**Subject: Basic Mathematics**  
**Name of the Teacher: Dr Komal Bansal**

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
August	01.08.2025	31.08.2025	Sets: Definition, Types of Sets, Subsets, Operations on Sets, Venn Diagrams. Applications of Set Theory.  Relations and Functions: Definitions, Domain and Range, Graphs of standard functions, One-one and Onto functions, Inverse of a function.	Syllabus, Doubt session.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 27.08.2025</b>				
September	01.09.2025	30.09.2025	Sequences and Series: Definitions, nth terms of A.P., G.P. and H.P. Sum of n terms of A.P. and G.P.  Mathematical Reasoning: Statement, Negation of a statement, Compound Statements.	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 24.09.2025</b>				
October	01.10.2025	31.10.2025	Connecting Words, Quantifiers, Implications, Validating Statements.  Statistics: Introduction, Measures of Central Tendency (Mean, Median, Partition values and Mode)	Doubt session, Assignments, conducted MST
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 29.10.2025</b>				
November	01.11.2025	13.11.2025	Measure of Dispersion (Range, Quartile Deviation, Mean Deviation, variance and Standard Deviation), Coefficient of variation.	Tutorial classes, Doubt session, Assignments, 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 12.11.2025</b>				
<b>End semester Examination 14.11.2025 to 26.12.2025</b>				

**Monthly Teaching Plan**  
**MCM DAV College for Women, Sector – 36A, Chandigarh**  
**Monthly Teaching Plans-Even Semester (Semester-II)**  
**Session – 2025-26**

**Department: Mathematics**  
**Class: MDC (BSc/B.A-I)**  
**Subject: Calculus**  
**Name of the Teacher: Dr Komal Bansal**

Month	Date		Topics to be covered	Academic Activity to be Undertaken
	From	To		
January	10.01.2026	31.01.2026	Trigonometry: Trigonometric ratios (functions), Trigonometric identities, Sign of trigonometric ratios, Graph of trigonometric functions, Trigonometric ratios of sum and difference of two angles.	Syllabus, Examination pattern discussed, Doubt Session.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 28.01.2026</b>				
February	01.02.2026	28.02.2026	Transformation of product into sum or difference of trigonometric functions, Transformation of sum or difference into product of trigonometric functions (i.e. C – D formulae), Trigonometric ratios of multiple angles. Limit: Limit of a Function at a Point, Concept of Infinity, Algebra of Limits,	Doubt session, Assignments, Class tests.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 25.02.2026</b>				
March	01.03.2026	31.03.2026	Evaluation of Limits of Algebraic Functions, Limit using standard results. Continuity: Continuity of a function at a point, Types of Discontinuities, Algebra of Continuous Functions, Examples of Continuous Functions.	Doubt session, Assignments. Class tests.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 25.03.2026</b>				
April	01.04.2026	25.04.2026	Differentiation: Derivative of Some standard functions (excluding trigonometric functions), Product rule for differentiation, Quotient rule for differentiation, Chain Rule, Derivative of implicit functions, Increasing and decreasing functions.	Doubt session and tests. Question papers discussed. Revision of the topics important from examination point of view.
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans on 22.04.2026</b>				
<b>End semester Examination 27.04.2026 to 05.06.2026</b>				