

Lesson PLAN 2025-26 odd semester

B.A - 3rd Sem. (Mathematics for all)

Sr. No.	Weeks	Syllabus.
1.	22/7 - 26/7	The Concept of a set, Types of sets, operation on sets, Venn Diagrams
2.	28/7 - 2/08	Solution of simple quadratic and cubic equations.
3.	4/08 - 8/08	Solution of Simultaneous linear equations + AP,
4.	11/08 - 14/08	The Concept of differentiation.
5.	18/8 - 23/8	Diff. of Simple functions,
6.	25/8 - 30/8	Second order differentiation.
7.	1/09 - 6/09	Integration (i) Presentation of Data Integration (ii)
8.	8/09 - 13/09	Diagrammatic and graphical presentation of data
9.	15/09 - 20/9	Frequency curve and Ogives
10.	24/09 - 27/09	Measures of Central tendency:- Arithmetic mean
11.	29/09 - 4/10	Median, Mode, Measure of Dispersion
12.	6/10 - 11/10	Geometric mean and Harmonic mean for ungrouped and grouped data
13.	13/10 - 18/10	Concept and types of Correlations.
14.	27/10 - 1/11	Linear regression.
15.	3/11 - 8/11	Solution of diff. equations of 1st order and degree one
16.	10/11 - 15/11	Solution of diff equations, variable separable.
17.	17/11 - 24/11	— Revision —

Lesson Plan2025-26odd semester

M.Sc 3rd sem. (Fuzzy sets and Applications)

Sr. No.	Weeks	Syllabus
1.	18-21 August	Fuzzy sets : α -cuts, strong α -cuts
2.	25-28 August	Normal, subnormal, Cardinality Degree of subsethood
3.	1 Sept - 4 Sept.	Addition properties of α -cuts, Extension principle of fuzzy sets.
4.	8, 9, 10 Sept.	Fuzzy Number, relation.
5.	15-18 Sept.	Arithmetic operations on fuzzy numbers
6.	24-25 Sept.	Fuzzy intersections and their t -norms.
7.	6-October	Pseudo-inverse.
8.	7-9 October	characterization t -norm of t -norms.
9.	13-14 Oct.	Fuzzy union
10.	15-16 Oct.	Fuzzy relation:- Projects and cylindrical extensions.
11.	27-28 Oct.	Inverse of a fuzzy relations.
12.	29-30 Oct.	fuzzy equivalence relations.
13.	3-6 November	Possibility theory:- Fuzzy measures
14.	10-13 November	Evidence theory.
15.	17-18 November	Possibility measure Implication, possibility distribution function.
16.	19-20 November	Possibility theory versus probability theory.
17.	21-24 November	Regression

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B.CA Ist Sem.

Mathematical Foundations of Computer Science

Sr.No.	Weeks	Syllabus.
1.	22/7 - 26/7	Sets and their representations
2.	28/7 - 2/08	Union and intersection of sets
3.	4/08 - 8/08	Venn Diagram, De-Morgan's Law.
4.	11/8 - 14/8	Matrices and their types and operations
5.	18/8 - 23/8	Symmetric and skew-symmetric Matrices
6.	25/8 - 30/8	Determinant of a square Matrix
7.	1/09 - 6/09	Adjoint and inverse of a square Matrix
8.	8/09 - 13/09	Solutions of system of Linear equations up to order 3.
9.	15/09 - 20/09	The Concept of differentiation
10.	24/09 - 27/09	Differentiation of simple functions.
11.	29/09 - 04/10	Differentiation of simple algebraic func.
12.	6/10 - 11/10	Diff. of trigonometric and exponential functions.
13.	13/10 - 18/10	Quadratic equations and its Solutions.
14.	27/10 - 1/11	Arithmetic progression and Geometric Prog.
15.	3/11 - 8/11	Harmonic progression, AM
16.	10/11 - 15/11	GM, H.M.
17.	17/11 - 24/11	Revision.