Lesson Plan – Industrial and Labour Laws (B.Com 3rd Year, 2025–26)

R.G.S.D. College

Lesson Plan – Business Mathematics I

College: R.G.S.D. College, Narwana
Teacher: Ms. Varsha Yadav
Class: B.Com 1st Year
Session: 1 September – 31 December 2025
Working Days: Wednesday to Saturday

Date	Unit	Topic / Sub-topic	Teaching Aids	Teaching Material	Learning Outcomes
3 Sept	I	Introduction to Business Mathematics	Chalk, Board	Textbook, Reference Book	Understand meaning and importance of Business Mathematics
4 Sept	I	Scope and Applications	Chart	Lecture notes	Explain applications in commerce and economics
5 Sept	I	Percentage and Ratio	Blackboard	Practice sheets	Solve problems based on percentage and ratio
6 Sept	I	Proportion	Chalk, Chart	Formula book	Apply ratio and proportion in business
10 Sept	I	Profit and Loss	Whiteboard	Numerical examples	Compute profit and loss accurately
11 Sept	I	Discount	Chart	Sample bills	Calculate trade and cash discounts
12 Sept	I	Simple Interest	Blackboard	Practice set	Compute simple interest on loans and deposits
13 Sept	I	Compound Interest	Board	Formula sheet	Distinguish between simple and compound interest
17 Sept	II	Linear Equations	Graph sheet	Reference book	Solve linear equations and interpret results
18 Sept	II	Simultaneous Equations	Chalk, Board	Lecture notes	Apply simultaneous equations in business cases
19 Sept	II	Quadratic Equations	Chart	Textbook	Solve quadratic equations using formula method
20 Sept	II	Progressions (A.P. & G.P.)	Board	Formula sheet	Identify arithmetic and geometric progressions
24 Sept	II	Application in Business	Projector	Real-life examples	Use progressions in finance and growth estimation
25 Sept	II	Revision of Unit I & II	Chart, Board	Notes	Recall key mathematical principles
26 Sept	III	Matrix – Introduction	Board	Textbook	Define and classify matrices
27 Sept	III	Types of Matrices	Chart	Lecture notes	Identify and differentiate types of matrices
1 Oct	III	Determinants	Board	Formula sheet	Calculate determinants for given matrices
3 Oct	III	Inverse of Matrix	Board	Practice examples	Find inverse of 2×2 and 3×3 matrices

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4 Oct	III	Application of Matrix in Business	Projector	Business problems	Apply matrices to solve linear equations
8 Oct	III	Revision	Chart	Notes	Review Unit III concepts
9 Oct	IV	Differentiation – Introduction	Board	Textbook	Define differentiation and its uses
10 Oct	IV	Rules of Differentiation	Chart	Formula sheet	Apply rules to solve differentiation problems
11 Oct	IV	Marginal Cost & Revenue	Board	Business examples	Apply derivatives in cost and revenue functions
15 Oct	IV	Integration – Introduction	Board	Formula sheet	Understand integration as reverse differentiation
16 Oct	IV	Basic Rules of Integration	Chart	Notes	Solve simple integrals
17 Oct	IV	Application in Business	Projector	Case study	Apply integration in business calculations
18 Oct	IV	Revision of Unit IV	Board	Notes	Summarize Unit IV
22 Oct–31 Dec	—	Tests, Revision, Internal Assessment, Exam Preparation	—	Question bank, Worksheets	Strengthen overall understanding and application