Lesson Plan

Class:B.com.2nd sem

Subject- Business Mathematics

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| Week | Topics |
| 1 | **Matrices and Determinants**: Definition of a Matrix ; Types of Matrices, Algebra of Matrices; Calculation of values of Determinants up to third order; |
| 2 | adjoint of a Matrix, elementary row and column operations; Finding inverse matrix through adjoint and elementary row or column operations |
| 3 | Solution of a system of Linear equations having unique Solution and involving not more than three variables |
| 4 | Differentiation (only algebraic problem) ; |
| 5 | Application of differentiation |
| 6 | Application of differentiation |
| 7 | Compound Interest and Annuities: Certain different types of interest rate; Concept of present value and amount of a sum; |
| 8 | Types of annuities; Present value and amount of an annuity, |
| 9 | including the case of continuous compounding |
| 10 | Ratio |
| 11 | Proportion and Percentage |
| 12 | Profit and Loss |