

Session- 2023-24 Lesson Plan

Govt. College, Nagina.

Subject - B. Mathematics - II

Class - B.COM. 1st Year IInd Sem.

Name of Teacher - Manish Agri.

January, 2024

I Week - Matrices and Determinants: Def of a Matrix, Types of Matrices, Algebra of Matrices; Calculation of values of Determinants upto third order.

II week:- Adjoint of a Matrix, elementary row and column operations.

III week:- finding inverse matrix through adjoint and elementary row or column operations.

IV week:- Sol. of a system of linear equations having unique solution and involving not more than three variables.

Feb, 2024

I Week - Meaning of Differentiation, derivative of a function, Method to find derivative of a function from first principle, Imp. formulae, derivatives of functions.

II Week - General theorems on diff. (without proofs), Diff of product and quotient of two functions, Chain Rule, diff of logarithmic and exp. functions

III Week: - Diff of Implicit functions, Logarithmic Diff, Derivatives of Higher order

IV Week: - Application of diff, Revision

March, 2024

I Week: - Certain diff. types of interest rate

II Week: - Concept of present value and amount of a sum

III Week: - Annuities, Types of annuities, Related problems.

IV Week: - Present value and amount of an annuity, Revision

April, 2024

I Week: - Introduction of Ratio, Comparison of ratios, Composition of ratios, Types of ratios

II Week: - Introduction of Proportion and related problems, Percentage, Some useful results, Profit and Loss

III Week: - Questions of percentage, profit and loss

IV Week: - Revision

Manish Agni

Manish Agni
(Ext. Lecturer in Mathematics)