Govt. College Nigdhu (Karnal)

Lesson Plan (Session-2023-24)

Class — B.A. 2nd Semester
Subject — Mathematics
Paper — Algebra and Number Theory

Unit	Topics
January 2024	matrix, Type of matrices, Operation on matrices, Rank of a matrix, Eigen values and Eigen vectors of a matrix, Characteristic Equation, Cayley-Hamilton Theorem
February 2024	Relation between the roots and coefficients of an Equation. Nature of the roots of an Equation Descarte's rule of signs.
March	Solution of Cubic equations (Cardon's method), Biquadratic equations and their solutions.
April	linear Congruences, Fermat's theorem, Euler's theorem, Wilson's theorem, Chinese Remainder theorem.

Vinod

VINOD KUMAR