

# SARASWATI MAHILA MAHAVIDYALAYA, PALWAL

## LESSON PLAN

Class : B.A. / B.Sc. (N.M. & C.S.)

Semester : 1<sup>st</sup>

Paper : Algebra

Session : 2020-21

Lectures	Topic
	<u>UNIT-1</u>
	<u>Ch-1</u> Matrices and Elementary Property.
	<u>Ch-2</u> Rank of a Matrix
16	<u>Ch-3</u> Orthogonal and Unitary Matrices
	<u>Ch-4</u> Characteristic Roots and Characteristic Values
2	Class Test and discussion of Problems
	<u>UNIT-2</u>
	<u>Ch-5</u> Application of Matrices to solve system of Equations.
18	<u>Ch-6</u> Bilinear and Quadratic Forms
1	Assignment & Discussion of Doubts

Lectures	Topic
	<u>Unit: 3</u>
	<u>Ch-7</u> General Properties of Polynomials and Equations
18	<u>Ch-8</u> Relation Between the Roots and coefficients of an Equation.
1	Assignment and discussion of Problems.
	<u>Unit-4</u>
22	<u>Ch-10</u> Descartes's Rules of Signs
	<u>Ch-11</u> Roots of Cubic and Biquadratic Equations
1	Assignment
10	Revision