

SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

LESSON-PLAN

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

Semester: 5th

Subject: Real Analysis

Session: 2020-21

Lectures	Topic
	<u>UNIT-1</u> :
	<u>Ch.-①</u> : Riemann Integral, Integrability
	of continuous and monotonic
16	functions, The fundamental theorem
	of Integral Calculus, Mean value
	theorem of Integral Calculus
2	Class Test & Discussion of Problems
	<u>UNIT-2</u> :
	<u>Ch.-②</u> : Improper Integrals and
	their and their Convergence.
18	<u>Ch.-③</u> : Integral as a function
	of a parameter. Continuity,
	Differentiability and integrability of
	an integral of a function of a parameter.

Signature:

Lectures	Topic
1	Assignment & Discussion of Doubts.
	<u>Unit:-3</u>
	<u>Ch.-4</u> Metric Space.
18	<u>Ch.-5</u> Open and closed Sets in Metric Spaces
2	Class Test and Discussion of Problems.
	<u>UNIT-4:</u>
	<u>Ch.-6:</u> Completeness in Metric Space
22	<u>Ch.-7:</u> Continuity and Uniform continuity in Metric Spaces
	<u>Ch.-8:</u> Compactness in Metric Spaces
	<u>Ch.-9:</u> Connectedness in Metric Spaces
1	Assignment
10	Revision