



**Gyanmanjari**  
Innovative University

Course Syllabus  
Gyanmanjari science college  
Semester-3 (M.Sc.)

**Subject :** Mathematics Practical (MSCMA13518)

**Type of course:** Major

**Teaching and Examination Scheme:**

Teaching Scheme			Credits	Examination Marks					Total Marks
CI	T	P		C	Theory Marks		Practical Marks		
			ESE		MSE	V	P	ALA	
0	0	12	6	00	00	40	80	30	150

*Legends: CI-Classroom Instructions; T – Tutorial; P - Practical; C – Credit; ESE - End Semester Examination; MSE- Mid Semester Examination; V – Viva; CA - Continuous Assessment; ALA- Active Learning Activities.*

**Continuous Assessment:**

Sr. No	Active Learning Activities	Marks
1.	<b>Journal:</b> Unit wise Practical will be given by faculty and students will prepare Journal for the Practicals.	30



**List of Practical**

Sr. No	Descriptions	Hrs
1.	Practical Based on MSCMA13513_Topology - II	18
2.	Practical Based on Advanced Linear Algebra	18
3.	Practical Based on Combinatorial Analysis	18
4.	Practical Based on Functional Analysis	18
5.	Practical Based on Probability and Statistics	18

**Instructional Method:**

The course delivery method will depend upon the requirement of content and the needs of students. The teacher, in addition to conventional teaching methods by black board, may also use any tools such as demonstration, role play, Quiz, brainstorming, MOOCs etc.

From the content 10% topics are suggested for flipped mode instruction.

Students will use supplementary resources such as online videos, NPTEL/SWAYAM videos, e-courses, Virtual Laboratory

The internal evaluation will be done on the basis of Active Learning Assignment

Practical/Viva examination will be conducted at the end of semester for evaluation of performance of students in the laboratory.

