

Engineering Mathematics-II

Lesson Plan (Tutorial Classes)

Discipline: Civil/Electrical /Mechanical/ CSE Engg.	Semester: 2 nd	Name of the Teaching Faculty: Manas Ranjan Sahu
Subject: Engg. Mathematics-II (Th 3)	No. of days/week class allotted: 1	Semester from date: 29.01.2024 To date: 14.05.2024 No. of weeks: 15
Week	Class Day	Theory Topics
1 st	1 st	Analytical Problem proof using vector method
2 nd	2 nd	Problem on Dot product and angle between two vectors
3 rd	3 rd	Problem on cross product, area of parallelogram, scalar and vector projection
4 th	4 th	Problem on Evaluation of Limit
5 th	5 th	Problem on Evaluation of Limit and Test of continuity
6 th	6 th	Problem on calculation of simple derivative
7 th	7 th	Problem on finding differentiations based on chain rule
8 th	8 th	Problem on differentiation of a function w.r.t. another function
9 th	9 th	Problem on partial differentiation
10 th	10 th	Problem practice on integration
11 th	11 th	Problem practice on integration
12 th	12 th	Problem practice on application of integration or area under the curve.
13 th	13 th	Problems on determination of degree and order of a differential equation
14 th	14 th	Problems on separation of variables
15 th	15 th	Problems on linear differential equation

