

Lesson Plan- Division-E

Lect No	Topic Planned	Planned Date	Actual Date	Mapped with CO	Content Delivery Method
1	Introduction to the matrices	13/8/2019	13/8/2019	CO1	BLACK BOARD
2	Types of Matrices	14/8/2019	14/8/2019	CO1	BLACK BOARD
3	Properties of Matrices	16/8/2019	14/8/2019	CO1	BLACK BOARD
4	Rank of the Matrix	20/8/2019	16/8/2019	CO1	BLACK BOARD
5	find Rank of the Matrix & examples on that	21/8/2019	20/8/2019	CO1	BLACK BOARD
6	Normal form of the Matrix	22/8/2019	21/8/2019	CO1	BLACK BOARD
7	solving system of equations homogeneous equ	23/8/2019	22/8/2019	CO1	BLACK BOARD
8	System of non homogeneous Equation	26/8/2019	23/8/2019	CO1	BLACK BOARD
9	Numerical Method-Gauss Jacobi Method and Gauss Sedeil Method	27/8/2019	27/8/2019	CO2	BLACK BOARD
10	Numerical Method –Newton Raphson Method	28/8/2019	27/8/2019	CO2	BLACK BOARD
11	Numerical Method –Regula Falsi Method	29/8/2019	29/8/2019	CO2	BLACK BOARD
12	Introduction to complex numbers	30/8/2018	30/8/2018	CO3	BLACK BOARD
13	Revise De Mover's theorem	13/9/2019	31/8/2019	CO3	BLACK BOARD
14	Find nth roots of a number	17/9/2019	13/9/2019	CO3	BLACK BOARD
15	Find roots of the equation	20/9/2019	17/9/2019	CO3	BLACK BOARD
16	Express powers into multiples	24/9/2019	19/9/2019	CO3	BLACK BOARD
17	Express multiples into powers	26/9/2019	20/9/2019	CO3	BLACK BOARD
18	Hyperbolic functions	27/9/2019	23/9/2019	CO3	BLACK BOARD
19	Inverse Hyperbolic Functions	1/10/2019	25/9/2019	CO3	BLACK BOARD
20	Find real and imaginary parts	3/10/2019	26/9/2019	CO3	BLACK BOARD
21	Examples on above	9/10/2019	27/9/2019	CO3	BLACK BOARD
22	Logarithm of complex	10/10/2019	28/9/2019	CO3	BLACK BOARD
23	More problems on above	11/10/2019	09/10/2019	CO3	BLACK BOARD
24	Introduction to partial derivatives	14/10/2019	10/10/2019	CO4	BLACK BOARD

25	examples on partial derivatives	15/10/2019	11/10/2019	C04	BLACK BOARD
26	examples on chain rule-I	16/10/2019	14/10/2019	C04	BLACK BOARD
27	examples on chain rule-II	17/10/2019	15/10/2019	C04	BLACK BOARD
28	Euler's theorem	18/10/2019	16/10/2019	C04	BLACK BOARD
29	Euler's theorem(deduction)	21/10/2019	17/10/2019	C04	BLACK BOARD
30	Implicit function	22/10/2019	18/10/2019	C04	BLACK BOARD
31	Application of Partial Derivatives to find maxima minima	23/10/2019	19/10/2019	C04	BLACK BOARD
32	Problems on maxima minima	24/10/2019	23/10/2019	C04	BLACK BOARD
33	Lagrange's Multiplier Method	25/10/2019	24/10/2019	C04	BLACK BOARD
34	Examples on above	30/10/2019	25/10/2019	C04	BLACK BOARD
35	Successive Differentiation(formula and derivation)	31/10/2019	31/10/2019	C05	BLACK BOARD
36	Successive Differentiation	01/11/2019	01/11/2019	C05	BLACK BOARD
37	Leibnitz's Rule	04/11/2019	04/11/2019	C05	BLACK BOARD

Applied Mathematics-I	
List of Tutorials	
Sr. No	(Prescribed by University of Mumbai in its R-2019 revision of the syllabus)
1	Types of Matrices and rank of matrix
2	Linear equations
3	Numerical Method
4	Complex Number-I
5	Complex Number-II
6	Partial Derivatives

Tutorial Plan

	DIVISION -E			
	SEMESTER- I			
Tut. No	Topic Planned	Planned Date	Actual Date	Mapped with CO
	BATCH-A			
1	Types of Matrices and rank of matrix	29/8/2019 30/8/2019	29/8/2019 30/8/2019	CO1
2	Linear equations	12/09/2019 13/09/2019	12/09/2019 19/09/2019	CO1
3	Numerical Method	19/09/2019 20/09/2019	20/09/2019 26/09/2019	CO2
4	Complex Number-I	26/09/2019 27/09/2019	26/09/2019 23/09/2019	CO3
5	Complex Number-II	03/10/2019 10/10/2019	03/10/2019 24/10/2019	CO3
6	Partial Derivatives	17/10/2019 24/10/2019	17/10/2019 24/10/2019	CO4
	BATCH-B			
1	Types of Matrices and rank of matrix	26/8/2019 27/8/2019	26/08/2019 27/0/2019	CO1
2	Linear equations	9/09/2019 16/09/2019	9/09/2019 16/09/2019	CO1
3	Numerical Method	17/09/2019 23/09/2019	17/09/2019 23/09/2019	CO2
4	Complex Number-I	24/09/2019 30/09/2019	24/09/2019 30/09/2019	CO3
5	Complex Number-II	01/10/2019 15/10/2019	01/10/2019 15/10/2019	CO3
6	Partial Derivatives	22/10/2019	22/10/2019	CO4
	BATCH-C			
1	Types of Matrices and rank of matrix	27/08/2019 28/08/2019	27/08/2019 28/08/2019	CO1
2	Linear equations	11/09/2019	18/09/2019	CO1
3	Numerical Method	17/09/2019 18/09/2019	17/09/2019 25/09/2019	CO2
4	Complex Number-I	24/09/2019 25/09/2019	24/09/2019 16/10/2019	CO3
5	Complex Number-II	01/10/2019 9/10/2019	01/10/2019 23/10/2019	CO3
6	Partial Derivatives	16/10/2019 23/10/2019	16/10/2019 24/10/2019	CO4