LESSON PLAN

DISIPLINE: ELECTRICAL & ELECTRONICS	SEMESTER: THIRD	NAME OF THE TEACHING FACULTY: Shishir Kumar Naik

SUBJECT: ENG. MATH-III	NO OF DAYS PER WK CLASS ALLOTED	SEMESTER FROM 15/09/2022 to 22/12/2022
WEEK	**CLASS DAY**	**THEORY**
1ST.	1ST	REAL AND IMAGINARY NUMBERS
	2ND	COMLEX NOS,CONJUGATE COMPLEX NO,MODULUS AND AMPLITUDE OF COMPLEX NO
	3RD	GEOMETRICAL REPRESENTATION OF COMPLEX NO
	4TH	PROPERTIES OF COMPLEX NO
2ND.	1ST	DETERMINATION OF CUBE ROOTS OF UNITY
	2ND	DE MOIVERS THEOREM AND PROBLEM SOLVING
	3RD	RANK OF MATRIX
	4TH	ELEMENTARY ROW TRANSFORMATION AND DETERMINATION OF RANK
3RD.	1ST	CONSISTENCY OF SYSTEM OF EQUATIONS
	2ND	SOLVING EQUATIONS IN 3 UNKNOWNS TESTING CONSISTENCY
	3RD	HOMOGENEOUS AND NON HOMOGENEOUS LINEAR DIFFERENTIAL EQUATIONS WITH CONSTANT COEFFICIENT
	4TH	GENERAL SOLUTIONS IN TERMS OF CF AND PI
4TH.	1ST	RULES FOR FINDING CF AND PI
	2ND	CONTINUE
	3RD	DEFINE PDE
	4TH	FORMATION OF PDE BY ELIMATION OF COSTANTS AND FUNCTIONS
5TH.	1ST	PROBLEM SOLVING
	2ND	SOLVE Pp+Qq=R
	3RD	SOLVING PROBLEMS
	4TH	CONTINUE
6TH.	1ST	DEFINE GAMMA FUNCTION RECURRENCE FORMULA
	2ND	PROBLEM SOLVING
	3RD	DEFINE LAPLACE TRANSFORM
	4TH	EXISTENCE CONDITIONS OF LT

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		LT OF STANDARD FUNCTIONS
7TH.	1ST	CONTINUE
	2ND	LINEAR ,SHIFTING PROPERTIES
	3RD	SOLVE PROBLEMS
	4TH	CONTINUE
8TH.	1ST	INVERSE LT
	2ND	CONTINUE
	3RD	INVERSE LT USING PF METHOD
	4TH	PROBLRM SOLVING
9TH.	1ST	PROBLEM SOLVING
	2ND	FORIER SERIES
	3RD	DEFINE PERIODIC FUNCTION
	4TH	DIRICHLET CONDITONS
10TH.	1ST	EXPRESS PERIODIC FUNCTION IN FOURIER SERIES
	2ND	STATE EULERS FORMULAE
	3RD	DEFINE ODD AND EVEN FUNCTION AND FIND FS IN THE INTERVAL 0 TO 2PI AND -PI TO +PI
	4TH	CONTINUE
11TH.	1ST	CONTINUE
	2ND	OBTAIN FS OF CONTINOUS FUNCTIONS AND FUNCTIONS HAVING POINTS OF DISCONTINUITIES
	3RD	PROBLEM SOLVING
	4TH	PROBLEM SOLVING
12TH.	1ST	LIMITATIONS OF ANALYTICAL METHODS IN SOLVING ALGEBRAIC EQUATIONS
	2ND	BISECTION METHOD FOR FINDING ROOTS OF ALGEBRAIC EQUATIONS
	3RD	NEWTON RAPHSON METHOD
	4TH	PROBLEM SOLVING
13TH.	1ST	EXPLAIN FINITE DIFFERENCES FORM TABLE OF FORWARD AND BACKWARD DIFFERENCE
	2ND	CONTINUE
	3RD	DEFINE SHIFT OPERATOR AND ITS RELATION WITH FORWARD OPERATORS
	4TH	NEWTONS FORWARD AND BACKWARD INTERPOLATION FORMULA FOR EQUAL INTERVALS
14TH.	1ST	PROBLEM SOLVING
	2ND	EXPLAIN NUMERICAL INTEGRATION

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	3RD	STATE NEWTON COTES FORMULA
	4TH	TRAPEZOIDAL RULE
15TH.	1ST	PROBLEM SOLVING
	2ND	SIMPSONS ONE THIRD RULE
	3RD	SOLVING PROBLEMS
	4TH	SOLVING PROBLEMS