LESSON PLAN FOR WINTER SEMESTER(2020-21)							
Discipline : 1ST Semester(common)							
Subject: Engg. Mathematics-I	ulty: SAMIRA KUMAR PATHI (Lect. in Mathematics) From: 09/11/2020 To: 31/01/2021 of Weeks: 12 Total no. periods : 60 Theory + 1	No.					
Week	Class Day	Theory	Range				
	1st	Matrix and Determinanta)Introduction and Types of Matrix					
	2nd	Tyoes of Matrix	09.11.2020				
1st	3rd	Algebra of matrix	to				
	4th	Determinant	15.11.2020				
	5th	Properties of determinant					
	6th	Tuitorial class					
	1st	Properties of determinant					
	2nd	Inverse of a matrix (second and third order)					
	3rd	Inverse of a matrix (second and third order)	16.11.2020				
2nd	4th	Cramer's Rule (Question should be on two variables)	to 22.11.2020				
	5th	Cramer's Rule (Question should be on two variables)	22.11.2020				
	6th	Tuitorial class					
3rd	1st	Solution of simultaneous equations by matrix inverse method					
	2nd	Solution of simultaneous equations by matrix inverse method	23.11.2020				
	3rd	TRIGONOMETRY Trignometrical Ratios	to 29.11.2020				
	4th	Trignometrical Ratios					
	5th	Trignometrical Ratios					
	6th	Tuitorial class					
	1st	Trignometrical Ratios					
4th	2nd	Compound angles, multiple and sub-multiple angles					
	3rd	Compound angles, multiple and sub-multiple angles	30.11.2020 to				
	4th	Compound angles, multiple and sub-multiple angles	06.12.2020				
	5th	Compound angles, multiple and sub-multiple angles					
	6th	Tuitorial class					
5th	1st	Define inverse circular functions and its properties					
	2nd	Define inverse circular functions and its properties	07 10 0000				
	3rd	Define inverse circular functions and its properties	07.12.2020				
	4th	Define inverse circular functions and its properties	to 13.12.2020				
	5th	Define inverse circular functions and its properties	13.12.2020				
	6th	Tuitorial class					

		CO-ORDINATE GEOMETRY IN TWO DIMENSIONS	
	1st	Introduction of geometry in two dimension	
		Distance formulae, division formulae, area of a	1
	2nd	triangle	14.12.2020
6th	3rd	Define slope of a line, angle between two lines	to
	4th	condition of perpendicularity and parallelism.	20.12.2020
		Different forms of straight lines (only formulae) i) One	20.12.2020
	5th	point form (ii) two point form (iii) slope form	
	6th	Tuitorial class	
		Different forms of straight lines (only formulae) (iv)	
	1st	intercept form (v) Perpendicular form	
		Equation of a line passing through a point and (i)	-
	2nd	parallel to a line	
	3rd	Equation of a line passing through a point (ii)	21.12.2020
7th		Equation of a line passing through the intersection of	to
	4th	two lines	27.12.2020
		Equation of a line passing through the intersection of	
	5th	two lines	
	6th	Tuitorial class	
	1st	Distance of a point from a line	
		CIRCLE	1
	2nd	Equation of a circle center radius form	28.12.2020
8th	3rd	Equation of a circle center radius form	to
	4th	general equation of a circle	03.01.2021
	5th	general equation of a circle	
	6th	Tuitorial class	
	1st	general equation of a circle	
	2nd	Equation of a circle end point of diameter form	
	3rd	Equation of a circle end point of diameter form	04.01.2021
9th	4th	CO-ORDINATE GEOMETRY IN THREE DIMENSIONS	to
		INTRUDUCTION	10.01.2021
	5th	Distance formulae	-
	6th	Tuitorial class	
	1st	section formulae	
	2nd	direction ratio, direction cosine	11.01.0001
1046	3rd	angle between two lines	11.01.2021
10th	4th	condition of parallelism and perpendicularity	to 17.01.2021
	5th	Equation of a plane i) General form	17.01.2021
	6th	Tuitorial class	
	1st	angle between two planes	
	2nd	angle between two planes	1
11th	3rd	perpendicular distance of a point from a plane	18.01.2021
	4th	perpendicular distance of a point from a plane	to
	5th	equation of a plane passing through a point and i)	24.01.2021
	0.11	parallel to a plane	
	6th	Tuitorial class	

12th	1st	equation of a plane passing through a point and ii) perpendicular to a plane	25.01.2021 to 31.01.2021
	2nd	SPHERE Equation	
		of a sphere	
		i) center radius form	
	3rd	Equation of a sphere in General form	
	4th	Equation of a sphere in General form	
	5th	Equation of a sphere in two end points of a diameter form	
	6th	Tuitorial class	