LESSON PLAN FOR WINTER SEMESTER(2021-22) Discipline : 1ST Semester(common) Name of the Faculty: SAMIRA KUMAR PATHI (Lect. in Mathematics)					
Week	Class Day	Theory	Range		
	lst	Matrix and Determinant   a) Introduction and Types of Matrix			
	2nd	Tyoes of Matrix	25.10.2021		
1st	3rd	Algebra of matrix	to 31.10.2021		
	4th	Algebra of matrix			
	5th	Determinant			
	6th	Tuitorial class			
	1st	Determinant			
	2nd	Properties of determinant			
	3rd	Properties of determinant	01.11.2021		
2nd	4th	Properties of determinant	to		
	5th	Inverse of a matrix (second and third order)	07.11.2021		
	6th	Tuitorial class			
	1st	Inverse of a matrix (second and third order)			
	2nd	Inverse of a matrix (second and third order)			
	3rd	Cramer's Rule (Question should be on two variables)	08.11.2021 to 14.11.2021		
3rd	4th	Cramer's Rule (Question should be on two variables)			
	5th	Cramer's Rule (Question should be on two variables)			
	6th	Tuitorial class			
4th	1st	Solution of simultaneous equations by matrix inverse method	15.11.2021 to		
	2nd	Solution of simultaneous equations by matrix inverse method			
	3rd	Solution of simultaneous equations by matrix inverse method			
	4th	TRIGONOMETRY Trignometrical Ratios	21.11.2021		
	5th	Trignometrical Ratios	]		
	6th	Tuitorial class			
	1st	Trignometrical Ratios			
	2nd	Trignometrical Ratios	1		
	3rd	Trignometrical Ratios	22.11.2021 to 28.11.2021		
5th	4th	Compound angles, multiple and sub-multiple angles			
	5th	Compound angles, multiple and sub-multiple angles			
	6th	Tuitorial class			

	1st	Compound angles, multiple and sub-multiple angles	
	2nd	Compound angles, multiple and sub-multiple angles	00.11.0001
6th	3rd	Compound angles, multiple and sub-multiple angles	29.11.2021 to 05.12.2021
	4th	Define inverse circular functions and its properties	
	5th	Define inverse circular functions and its properties	
	6th	Tuitorial class	
	1st	Define inverse circular functions and its properties	
	2nd	Define inverse circular functions and its properties	
	3rd	Define inverse circular functions and its properties	06.12.2021 to 12.12.2021
7th	4th	CO-ORDINATE GEOMETRY IN TWO DIMENSIONS	
,		Introduction of geometry in two dimension	
	5th	Distance formulae, division formulae, area of a	
	( 11-	triangle	
	6th	Tuitorial class	
	1st	Distance formulae, division formulae, area of a	
	2nd	triangle	
	3rd	Define slope of a line, angle between two lines condition of perpendicularity and parallelism.	12 10 0001
8th		Different forms of straight lines (only formulae) i) One	13.12.2021 to
0111	4th	point form (ii) two point form (iii) slope form	19.12.2021
		Different forms of straight lines (only formulae) (iv)	17.12.2021
	5th	intercept form (v) Perpendicular form	
	6th	Tuitorial class	
		Equation of a line passing through a point and (i)	
	1st	parallel to a line	
	0 1	Equation of a line passing through a point (ii)	
	2nd	Perpendicular to a line	
0.11-	3rd	Equation of a line passing through the intersection of	20.12.2021 to
9th	310	two lines	
	4th	Equation of a line passing through the intersection of	26.12.2021
		two lines	
	5th	Distance of a point from a line	-
	6th	Tuitorial class	
	1st	Distance of a point from a line	
	2nd	CIRCLE	
1011	3rd	Equation of a circle center radius form Equation of a circle center radius form	27.11.2021
10th	4th	general equation of a circle	to 02.01.2022
	5th	general equation of a circle	
	6th	Tuitorial class	
	1st	general equation of a circle	<u> </u>
	2nd	Equation of a circle end point of diameter form	1
11th	3rd	Equation of a circle end point of diameter form	02.01.2022 to
		CO-ORDINATE GEOMETRY IN THREE DIMENSIONS	
	4th	INTRUDUCTION	08.01.2022
	5th	Distance formulae	
	6th	Tuitorial class	

12th	1st	section formulae	
	2nd	direction ratio, direction cosine	09.01.2021 to
	3rd	angle between two lines	
	4th	condition of parallelism and perpendicularity	
	5th	Equation of a plane i) General form	15.01.2022
	6th	Tuitorial class	
	1st	angle between two planes	
	2nd	angle between two planes	1
	3rd	perpendicular distance of a point from a plane	16.01.2022
13th	4th	perpendicular distance of a point from a plane	to
	5th	equation of a plane passing through a point and i)	23.01.2022
	SIN	parallel to a plane	
	6th	Tuitorial class	
	1st	equation of a plane passing through a point and i)	
		parallel to a plane	
	2nd	equation of a plane passing through a point and ii)	
14th		perpendicular to a plane	
	3rd	equation of a plane passing through a point and ii)	24.01.2022
		perpendicular to a plane	to
	4th	SPHERE	30.01.2022
		Equation of a sphere	
		i) center radius form	4
	5th	Equation of a sphere in General form	-
	6th	Tuitorial class	
15th	1st	Equation of a sphere in two end points of a diameter form	31.01.2021