Of es/Week Class otted: 5+1 Class Day 1st 2nd	No. Of Weeks:15 Theory Topics Chapter 2: TRIGONOMETRY: Introduction to trigonometry
1 st	Chapter 2: TRIGONOMETRY:
2 nd	Introduction to trigonometry
2 nd	introduction to trigonometry
	Different types of trigonometric ratios
3 rd	Trigonometric values in different quadrants
4 th	Evaluation of trigonometric values
5 th	Problems related to the above
5 th (Tutorial class)	Revision
1st	Multiple angles formula for trigonometric functions
2 nd	Compound angles formula for trigonometric functions
3 rd	Sub-multiple angles formula for trigonometric functions
4 th	Problems using the above formulae
	Problems using the above formulae
	Revision
1 st	Solving trigonometric equations
2 nd	Define inverse trigonometric functions
3 rd	Formulae involving inverse trigonometric functions
4 th	Problems related to the above
5 th	Problems related to the above
	Revision
	3 rd 4 th 1 st 2 nd 3 rd

th	1 st	Chapter 3: CO-ORDINATE GEOMETRY IN TWO DIMENSIONS (Straight line):
		Introduction to two dimensional geometry
4	2 nd	Different types of co-ordinate systems
	3 rd	Distance between two points
	4 th	Division formula and mid-point formula
	5 th	Area of a triangle and collinearity of three points
	6 th (Tutorial class)	Revision
th	1 st	Problems related to collinearity and division formula
	2 nd	Inclination and slope of a line , angle between two lines
5	3 rd	Condition of perpendicularity and parallelism between two lines
	4 th	Problems related to the above
	5 th	Different forms of equations of straight line (slope-intercept form,slope-point form,two-point form)
	6 th (Tutorial class)	Revision
th	1 st	Intercept and normal form of equations of straight line
6	2 nd	Problems related to the above
	3 rd	Equation of a line passing through a point and parallel to a line, also perpendicular to a line
	4 th	Equation of a line passing through the point of intersection of two lines
	5 th	Problems related to the above
	6 th (Tutorial class)	Revision
th	1 st	Distance of a point from a line, distance between two parallel lines
	2 nd	Chapter 4: CIRCLE:
7		Equation of circle(radius-center form, diameter form)
	3 rd	General Equation of circle

	4 th	Problems related to the above			
	5 th	Problems related to the above			
	6 th (Tutorial class)	Revision			
th	1 st	Chapter 1: MATRICES AND DETERMINANTS:			
		Types of matrices			
8	2 nd	Algebra of matrices			
	3 rd	Multiplication of matrices			
	4 th	Problems related to the above			
	5 th	Problems related to the above			
	6 th (Tutorial class)	Revision			
th	1 st	Introduction to determinant			
9	2 nd	Properties of determinant			
	3 rd	Problems related to the above			
	4 th	Problems related to the above			
	5 th	Revision			
	6 th (Tutorial class)	Define Inverse of a matrix			
th	1 st	Define Adjoint and cofactor of matrix			
	2 nd	Problems to find Inverse of a matrix			
10	3 rd	Problems to find Adjoint and cofactor of matrix			
	4 th	Properties of adjoint of a matrix			
	5 th	Problems related to the above			
	6 th (Tutorial class)	Revision			
	1 st	Explain Cramer's rule			
	2 nd	Problems on Cramer's rule			

th	3 rd	Find Solution of simultaneous equations by matrix inversion method
	4 th	Revision
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	5 th	Chapter 5: CO-ORDINATE GEOMETRY IN THREE DIMENSIONS:
		Introduction to three dimensional geometry
	6 th (Tutorial class)	Revision
th	1 st	Distance formula ,section formula between points
	1	Problems related to the above
12	2 nd	Problems related to the above
	3 rd	Direction cosines and direction ratios of a line passing through two points
	4 th	Problems related to the above
	5 th	Find Angle between two lines if directions cosines or direction ratios of the two lines are given
	6 th (Tutorial class)	Revision
th	1 st	Condion of parallelism and perpendicularity between two lines
	2 nd	Equation a plane(drs of normal and a point, three point form)
13	3 rd	Equation a plane(Intercept and normal form)
	4 th	General form a plane
	5 th	Find Angle between two planes if direction ratios of the two normal to the planes are given
	6 th (Tutorial class)	Revision
th	1 st	Find Perpendicular Distance of a point from a plane
	2 nd	Problems related to the above
14	3 rd	Find Equation of a plane passing through a point and parallel to a plane
	4 th	Find Equation of a plane passing through a point and perpendicular to a plane
	5 th	Problems related to the above

	6 th (Tutorial class)	Revision
th	1 st	Chapter 6: SPHERE:
		Equation of sphere(radius-center form)
15	2 nd	Equation of sphere(diameter form)
	3 rd	General Equation of sphere
	4 th	Problems related to the above
	5 th	Revision
	6 th (Tutorial class)	Revision