

LESSON PLAN

Discipline: Electrical and Drilling		Semester: 1st semester	Name of the Teaching Faculty: Sadashiba Mohanta	
Subject: Engineering Mathematics-I		No of days /week class allotted: 03/week	Semester from Date: 16/08/2023 to 11/12/2023	
Sub code: Th-3			No of weeks: 18	
Mon th	Week	No of periods available	Class Day	Theory topics to be covered
August	1 st	01P	17.08.2023	Introduction to Co-ordinate Geometry in two dimension.
	2 nd	01P	21.08.2023	Cartesian Co-ordinate system.
		01P	22.08.2023	Distance formulae
		01P	24.08.2023	Division formulae and related problems
	3 rd	01P	28.08.2023	Division formulae and related problems
		01P	29.08.2023	Area of a triangle and related problems
		01P	28.08.2023	Area of a triangle and related problems
September	4 th	01P	04.09.2023	Define slope of a line
		01P	05.09.2023	Angle between two lines
		01P	07.09.2023	Condition of perpendicularity and parallelism
	5 th	01P	11.09.2023	Condition of perpendicularity and parallelism
		01P	12.09.2023	Different forms of a straight line
		01P	14.09.2023	Different forms of a straight line
	6 th	01P	18.09.2023	Monthly Test-01 and Discussion
		01P	21.09.2023	Equation of a line passing through a point and Parallel to a line
	7 th	01	25.09.2023	Equation of a line passing through a point and Parallel to a line

October		01P	26.09.2023	Equation of a line passing through a point and Perpendicular to a line
		01P	28.09.2023	Equation of a line passing through the intersection of two lines
	8 th	01P	03.10.2023	Distance between two parallel lines
		01P	05.10.2023	Equation of a Circle Centre Radius Form.
	9 th	01P	09.10.2023	Equation of a Circle, Centre Radius Form.
		01P	10.10.2023	Equation of a line passing through the intersection of two lines
		01P	12.10.2023	Distance of a point from a line
	10 th	01P	16.10.2023	Distance between two parallel lines
		01P	17.10.2023	Equation of a Circle Centre Radius Form.
		01P	19.10.2023	Revision and Doubt Clearing Classes & Internal Assessment
	11 th	01P	30.10.2023	General equation of a Circle. End Point of Diameter Form
		01P	31.10.2023	Introduction to 3D Geometry.
November	12 th	01P	02.11.2023	Section Formulae. Distance Formula.
	13 th	01p	06.11.2023	Direction Ratios and Cosines.
		01P	07.11.2023	Direction Ratios and Cosines.
		01P	09.11.2023	Angle Between two Lines. Condition of Parallelism and Perpendicularity
	14 th	01p	13.11.2023	Angle Between two Lines. Condition of Parallelism and Perpendicularity

		01P	14.11.2023	Equation of a Plane. General form.
		01P	16.11.2023	Monthly Test-02 and Discussion
	15 th	01p	20.11.2023	Angle Between two Planes. Perpendicular distance of a point from a plane
		01P	21.11.2023	Equation of a Plane passing through a point and Parallel to the plane
		01P	23.11.2023	Equation of a Plane passing through a point and (ii) Perpendicular to the plane.
	16 th	01P	28.11.2023	Equation of a Sphere Centre Radius Form
		01P	30.11.2023	Equation of a Sphere Centre Radius Form
	17 th	01P	04.12.2023	General equation of a Sphere
		01P	05.12.2023	End Point of Diameter Form
		01P	07.12.2023	Previous year question discussion.
	18 th	01P	11.12.2023	Revision & Previous year question & Answer discussion.
		. VERY SIMILAR TEST/MOCK TEST		