

LESSON PLAN

Discipline: Civil Engg./Mech. Engg.	Semester: First (1 st)	Name of the Lab I/C: Er. A. K. Mallick / Er. A. Mohapatra
Subject: Engineering Drawing	No. of days/week class allotted: Six (6)	Semester from Date: 25.10.22 to Date: 31.01.23 No. of Weeks: 15
WEEK	CLASS DAY	PRACTICAL EXPERIMENTS
1 st	1 st	INTRODUCTION & DEMONSTRATION Identify various sizes of drawing boards, drawing sheets as per BIS.
	2 nd	
	3 rd	
	4 th	TYPES OF LINES, LETTERING & DIMENSIONING Demonstrate and explain the use of various types of Demonstrate the principle of single stroke, gothic lettering & numerals as per BIS. Lines
	5 th	
	6 th	Review class
2 nd	1 st	SCALES Significance of scales in drawing; different scales. Define & draw of plain scale.
	2 nd	
	3 rd	
	4 th	Define & draw of Diagonal scale
	5 th	
	6 th	Review class
3 rd	1 st	CURVES Explain Conic sections with illustration, Explain terms like focus, vertex, directrix and eccentricity.
	2 nd	Draw ellipse by concentric circle method and arc of circle method.
	3 rd	
	4 th	Draw parabola by Rectangle Method and Tangent Method
	5 th	
	6 th	Review class

4 th	1 st	Orthographic projections Demonstrate the principles of 1 st angle and 3 rd angle projections with the help of models and draw symbols
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	
5 th	1 st	Draw projection of points.
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	Review class
6 th	1 st	Draw projection of straight line (parallel to both planes, parallel to one and perpendicular to other, parallel to one and inclined to other and inclined to both reference planes).
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	Review class
7 th	1 st	Draw projections of solids such as prism, cylinder, cone, in simple (with axis parallel to one reference plane and perpendicular to other reference plane).
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	Review class
8 th	1 st	BUILDING DRAWING Explain terms related to building drawing.
	2 nd	
	3 rd	

	4 th	Draw plan, elevation of single room building with verandah (Flat roof according to given line plan and specification)
	5 th	
	6 th	
9 th	1 st	Cont.
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	
10 th	1 st	Cont.
	2 nd	
	3 rd	
	4 th	
	5 th	
	6 th	Review class
11 th	1 st	Review class
	2 nd	Review class
	3 rd	Review class
	4 th	Review class
	5 th	Review class
	6 th	Review class
12 th	1 st	Review class
	2 nd	Review class
	3 rd	Review class
	4 th	Review class
	5 th	Review class
	6 th	Review class

13 th	1 st	Review class
	2 nd	Review class
	3 rd	Review class
	4 th	Review class
	5 th	Review class
	6 th	Review class
14 th	1 st	Review class
	2 nd	Review class
	3 rd	Review class
	4 th	Review class
	5 th	Review class
	6 th	Review class
15 th	1 st	Review class
	2 nd	Review class
	3 rd	Review class
	4 th	Review class
	5 th	Review class
	6 th	Review class