

SESSION: 2024-25

SUBJECT NAME : ENGINEERING DRAWING

SUBJECT CODE: 2000277(037)

LECTURE NO.	UNIT NO.	SUB TOPIC TO BE COVERED UNDER THIS UNIT	PLANNED DATE	EXECUTION DATE	REMARK
1	1	Unit-1.0 Basics of Engineering Drawing	17/03/25	17/03/25	
2		1.1 Importance of engineering drawing.	18/03/25	18/03/25	
3		1.2 Drawing instruments: Use of drawing board, mini drafter, compass, divider, protractor, drawing sheets, drawing pencils, set squares etc., sheet	19/03/25	19/03/25	
4		1.3 Lettering and numbering as per BIS 9609, importance, single stroke letters, slanting letters, upper case and lower case letters, general procedure for	20/03/25	20/03/25	
5		PRACTICE	21/03/25	21/03/25	
6		1.4 Lines- Different types of lines. dimensioning - Dimension line	22/03/25	22/03/25	
7		Extension lines and Leader lines, Dimensioning systems, Methods of dimensioning, important dimensioning rules	24/03/25	24/03/25	
8		1.5 Dimensioning – terms and notations as per BIS, requirement of	27/03/25	27/03/25	
9		Scales - full scale, reduced scale and enlarged scale.	29/03/25	29/03/25	
10		Plane Scale	01/04/25	01/04/25	
11		PRACTICE	02/04/25	02/04/25	
12		Diagonal Scale	03/04/25	03/04/25	
13		PRACTICE	04/04/25	04/04/25	
14		Unit-2.0 Constructions of conic curves	07/04/25	07/04/25	
15		2.1 Conic Sections- Definition of locus, focus, directrix, axis, Vertex and eccentricity. Definition: ellipse, parabola and hyperbola.	08/04/25	08/04/25	
16		2.2 Ellipse: Construction of ellipse by concentric circle method, Oblong method,	09/04/25	09/04/25	
17		PRACTICE	11/04/25	11/04/25	

18	2	Ellipse: Construction of ellipse by Oblong method	12/04/25	12/04/25	
19		PRACTICE	15/04/25	15/04/25	
20		Ellipse: Arc of circle method and Eccentricity method or General Method when focus and directrix are given.	16/04/25	16/04/25	
21		PRACTICE	17/04/25	17/04/25	
22		2.3 Parabola: Construction of parabola by rectangle method, parallelogram method	19/04/25	19/04/25	
23		PRACTICE	22/04/25	22/04/25	
24		Tangent method and eccentricity method or General Method when focus and directrix are given.	23/04/25	23/04/25	
25		PRACTICE	24/04/25	24/04/25	
26		2.4 Hyperbola: Construction of hyperbola by rectangular method and eccentricity method when focus and directrix are given.	25/04/25	25/04/25	
27		PRACTICE	26/04/25	26/04/25	
28		Unit-3.0 Projections of points, lines and planes	28/04/25	28/04/25	
29		3.1 Projection of points: Concept of quadrant, first angle and third angle projection.	30/04/25	30/04/25	
30		Projection of points – points on different quadrants and on the reference planes.	01/05/25	01/05/25	
31		PRACTICE	02/05/25	02/05/25	
32	3.2 Projection of straight lines: Projection of straight lines – Line in the first quadrant and on the reference Planes,	03/05/25	03/05/25		
33	PRACTICE	06/05/25	06/05/25		
34	perpendicular to one plane and parallel to other plane, inclined to one plane and parallel to the other plane,	07/05/25	07/05/25		
35	parallel to both the planes and inclined to both the planes.	09/05/25	09/05/25		
36	3	PRACTICE	10/05/25	10/05/25	
37		PRACTICE	14/05/25	14/05/25	
38		3.3 Projection of Planes:	15/05/25	15/05/25	

39	Concept of planes, a) Projection of planes parallel to one of the reference plane.	16/06/25	16/06/25	
40	PRACTICE	17/06/25	17/06/25	
41	b) Projection of plane inclined to one reference plane and perpendicular to another	19/06/25	19/06/25	
42	PRACTICE	20/06/25	20/06/25	
43	c) Projection of plane inclined to both the reference planes. Note: Triangle, Square / rectangle and circle shape should be included in	21/06/25	21/06/25	
44	PRACTICE	23/06/25	23/06/25	
45	Unit-4.0. Orthographic projection and Section of solids	24/06/25	24/06/25	
46	4.1 Introduction, First angle projection, Third angle projection, Symbols and comparison of first and third angle projections.	25/06/25	25/06/25	
47	4.2 Projection of simple objects – front view/ top view/ right/ left side view.	26/06/25	26/06/25	
48	PRACTICE	27/06/25	27/06/25	
49	4.3 Concept of sectioning planes, Auxiliary planes, types of sections and true shape of section.	28/06/25	28/06/25	
50	PRACTICE	30/06/25	30/06/25	
51	4.4 Projections of Solids: Types of solids, projections of solids in simple position	10/07/25	10/07/25	
52	PRACTICE	11/07/25	11/07/25	
53	projections of solids with axes inclined to one of the reference planes and parallel to the other	12/07/25	12/07/25	
54	PRACTICE	14/07/25	14/07/25	
55	projections of solids with axes inclined to both H.P. and the V.P.	15/07/25	15/07/25	
56	PRACTICE	16/07/25	16/07/25	
57	PRACTICE	17/07/25	17/07/25	

		PRACTICE	21/07/25	21/07/25		
60		PRACTICE	22/07/25	22/07/25		
61	5	Unit-5.0 Isometric Projection	23/07/25	23/07/25		
62		5.1 Isometric axis, lines, and planes, isometric scale	25/07/25	25/07/25		
63		isometric projection, isometric drawing.	26/07/25	26/07/25		
64		PRACTICE	28/07/25	28/07/25		
65		PRACTICE	29/07/25	29/07/25		
66		5.2 Isometric projection of objects containing rectangular, circular shapes.	30/07/25	30/07/25		
67		PRACTICE	31/07/25	31/07/25		
68		PRACTICE	31/07/25	31/07/25		
69		Isometric projection of objects containing cylindrical shapes and slots on sloping and plane Surfaces.	02/08/25	02/08/25		
70		PRACTICE	02/08/25	02/08/25		
71		PRACTICE	02/08/25	02/08/25		
72		6	Unit-6.0 Computer aided Drafting	05/08/25	05/08/25	
73			6.1 Basics of AutoCAD AutoCAD interface, screen layout, starting commands from menus, Coordinate system,	05/08/25	05/08/25	
74	Angular measurements, Point specification, Drawing aids - Grid, Snap, Ortho,		06/08/25	06/08/25		
75	Osnap, Units, Limits, Layers, Linetype.		06/08/25	06/08/25		
76	6.2 Creating basic drawings Drawing objects - lines, arc,		07/08/25	07/08/25		
77	circles, ellipses, polyline and polygons.		07/08/25	07/08/25		
78	6.3 Modify commands - erase, copy, move, rotate,		11/08/25	11/08/25		
79	scale, stretch, array.		11/08/25	11/08/25		
80	6.4 Printing and plotting of drawings.		14/08/25	14/08/25		

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