JHARSUGUDA ENGINEERING SCHOOL, JHARSUGUDA DEPARTMENT OF CIVIL ENGINEERING

LESSON PLAN

PROGRAMME: DIPLOMA IN CIVIL ENGINEERING DISCIPLINE- CIVIL & MECHANICAL

SUBJECT-ENGINEERING DRAWING (BEP105)
SEMESTER-1ST

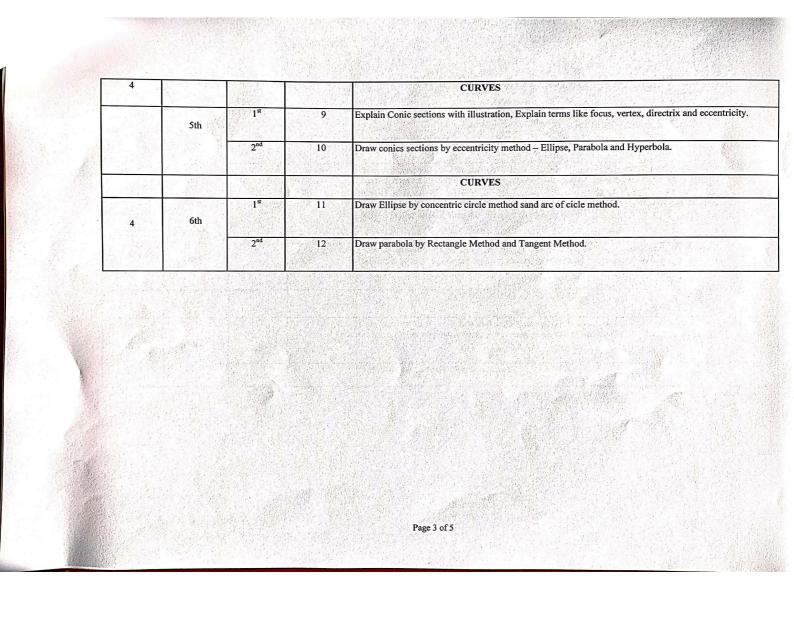
NAME OF TEACHING FACULTY

- 1. SRI. DHANURJAYA BEHERA
- 2. SRI. SOUMYA SAGAR TRIPATHY
- 3.SMT. DEEPANJALI SETHY
- 4. SRI. SOUBHAGYA MOHANTY
- 5. SRI. DHANRAJ ROHIDAS

Chapter	Week No.	Class Day	Lecture No.	Topic to be Covered
1				INTRODUCTION AND DEMONSTRAION
		1 st	1.	HOLIDAY
	1 st	2 nd	2	Identify various sizes of drawing boards, drawing sheets as per BIS.
1				INTRODUCTION AND DEMONSTRAION
		1 st	3	List the types of pencils, instruments, and scales.
	2nd	2 nd	. 4	Demonstrate lying of drawing sheets, margin, standard layout and title block as per BIS ,folding principles of drawing.

Page 1 of 5

2		apaga a sa		TYPES OF LINES,LETTERING AND DIMENSIONING
		1 st	5	Demonstrate and explain the use of various types of lines.
	3rd	2 nd	6	Demonstrate the principle of single stroke, gothic lettering & numerals as per BIS.
3				SCALES
	4th	1 st	7	Significance of scale in drawing; different scales.
		2 nd	8	Define and draw plain scale and diagonal scale.

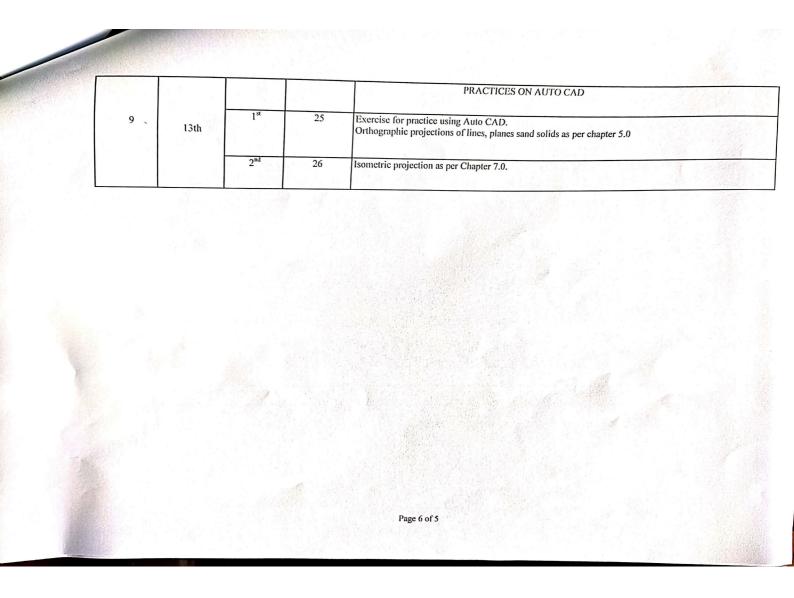


		in the second		OTHOGRAPHIC PROJECTIONS
	7th	1 st	13	Demonstrate the principles of 1st angle and 3rd angle projections with the help of models and draw symbols. Draw projection of points.
5		2 nd	14	Draw projection of straight line (parallel to both planes, parallel to one and perpendicular to other, parallel to one and inclined to other and inclined to both reference planes).
		1 st	15	Draw plane figure such as squares, rectangles, triangles, circle, Pentagon and hexagon (perpendicular to one plane and inclined to other)
	8th	2 nd	16	Draw projections of solids such as prism, cylinder, cone, tetrahedron and pyramid in simple position (with axis parallel to one reference plane and perpendicular to other reference plane).
				SECTION & DEVELOPMENTS
6	9th	1 st	17	Draw the sectional projection & development of prism, cylinder, cone and pyramid in simple position by a cutting plane perpendicular to one reference plane and inclined to other reference plane.
		2 nd	18	Draw true shape of the cutting sections.

	1			ISOMETRIC PROJECTIONS
7	10th	1 st	19	Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizonta and vertical with construction of isometric scales.
		2 nd	20	Draw isometric view & Isometric projection of prism, pyramid, cone & cylinder with axis horizonta and vertical with construction of isometric scales.
8				BUILDING DRAWING
	11th	1 st	21	Explain terms related to building drawing.
		2 nd	22	Draw plan, elevation of single room building with verandah (Flat roof according to given line plan as specification).

		***		PRACTICES ON AUTO CAD
9	12th	1 st	23	Introduction-Settings, Limits etc
		2 nd	24	Auto CAD commands-Draw commands (Line, circle, are polygon, ellipse, rectangle). Edit command, Dimension commands and Modify Commands for two dimensional drafting only

Page 5 of



				PRACTICES ON AUTO CAD & EVALUATION OF SHEETS
10	14th	1 st	27	Isometric projection as per Chapter 7.0.
		2 nd	28	Revision

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