

DHABALESWAR INSTITUTE OF POLYTECHNIC

LESSON PLAN

Discipline: <u>Diploma</u>	Semester: <u>1st Sem</u>	Name of the Teaching Faculty <u>Monalisha Gal</u>
Subject: <u>Engg Drawing</u>	No. of days per week Class Alloted: <u>06 Nov</u>	Semester from Dt. <u>25.10.2021</u> to Dt. <u>31.1.2022</u> No. of Weeks: <u>14 Nov.</u>
Week	Class Day	Theory / Practical Topics
<u>1st week</u>	<u>1st day</u> <u>2nd day</u>	→ Introduction of drawing. → Types of drawing. Lying of drawing sheet, Margin, layout and title block as per BIS.
<u>2nd week</u>	<u>1st day</u> <u>2nd day</u>	→ List types of pencil, instrument → Explain the use of various types of lines.
<u>3rd week</u>	<u>1st day</u> <u>2nd day</u>	→ Explain the principle of single stroke letter. → Introduction of scale. Plain scale & diagonal scale.
<u>4th week</u>	<u>1st day</u> <u>2nd day</u>	→ Problems of Plain scale and diagonal scale. → Explain Conic Section with illustration: focus, vertex, directrix.
<u>5th week</u>	<u>1st day</u> <u>2nd day</u>	→ Draw different Method of Ellipse. → Introduction of projection. 1st angle projection and third angle projection.

DHABALESWAR INSTITUTE OF POLYTECHNIC

LESSON PLAN

Week	Class Day	Theory / Practical Topics
6th week	1st day 2nd day	→ Draw the projection of point. → Draw the projection of straight line parallel to one and perpendicular to other.
7th week	1st day 2nd day	→ Draw projection of plane square, rectangle, triangle. → Draw the projection of solid. such as, prism, cylinder, cone etc.
8th week	1st day 2nd day	→ Draw the sectional projection and development of prism. → Draw the sectional projection of cylinder.
9th week	1st day 2nd day	→ Draw true shape of cutting section. → Projection of straight line practice.
10th week	1st day	→ Isometric projection of prism, → Isometric projection of cone, cylinder, pyramid.

DHABALESWAR INSTITUTE OF POLYTECHNIC

LESSON PLAN

Week	Class Day	Theory / Practical Topics
11th week	2nd day	→ Isometric projection with axis horizontal and vertical with Construction of Isometric Scales.
	1st day	→ Explain related term used in building.
	2nd day	→ Draw Plan of a building.
12th week	1st day	→ Draw Elevation of a building.
	2nd day	→ Introduction of Auto cad.
13th week		Setting of Auto cad, command.
	1st day	→ Practice of different type of drawing.
	2nd day	→ practice of drawing.
14th week	1st day	→ practice
	2nd day	→ practice.