

Shantilal Shah Engineering College Bhavnagar
Mechanical Engineering Department

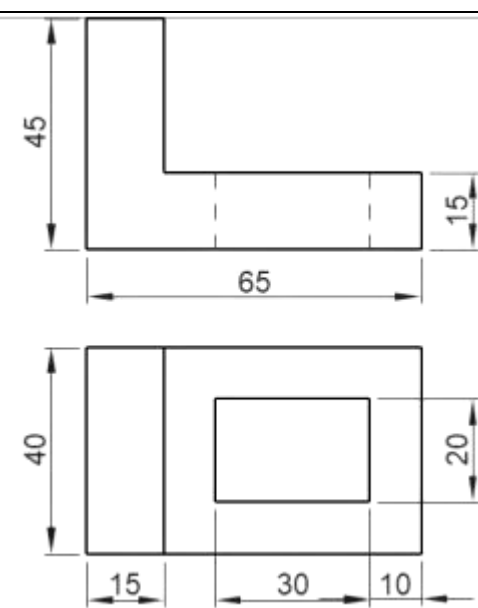
Sub Name: Engineering Graphics & Design

Sub Code: 3110013

Academic Year: 2022-23 Sem.1 (IT, Elec., IC)Term Odd 26-09-22 to 27-01-23

Assignment

Total Marks: 30 equivalents to 10

		Contribution to Course Outcome	Marks
Que.1	A regular pentagon of 30 mm sides is resting on HP on one of it's sides, while it's opposite vertex (corner) is 30 mm above HP. Draw projections when side in HP is 30° inclined to VP.	CO-3	05
Que.2	A cube of 30 mm sides is held on one of its corners on HP such that the bottom square face containing that corner is inclined at 30° to HP. Two of its adjacent base edges containing the corner on which it rests are equally inclined to VP. Draw the top and front views of the cube.	CO-3	05
Que.3	A Cone base 75 mm diameter and axis 80 mm long is resting on its base on H.P. It is cut by a section plane perpendicular to the V.P., inclined at 45° to the H.P. and cutting the axis at a point 35 mm from the apex. Draw the front view, sectional top view, sectional side view and true shape of the section.	CO-3	05
Que.4	Draw the development of the lateral surface of the lower portion of a cylinder of diameter 50 mm and axis 70 mm when sectioned by a plane inclined at 40° to HP and perpendicular to VP and bisecting axis.	CO-4	07
Que.5	 <p>Figure shows front view and top view of an object in 1st angle projection method. Draw isometric view.</p>	CO-5	06
Que.6	Write different options for creating a circle in AutoCAD.	CO-6	01
Que.7	Which are the common coordinate formats used in AutoCAD?	CO-6	01
<p>It is COMPULSORY for all the students to submit the assignment to Prof. R K Jani on and before 5th January 2023. The solution of assignment is to be done in DRAWING SHEET.</p>			