12/08_EG_FE_Sem II (R-19)_Inst Name

University of Mumbai

* Required

Engineering
Graphics
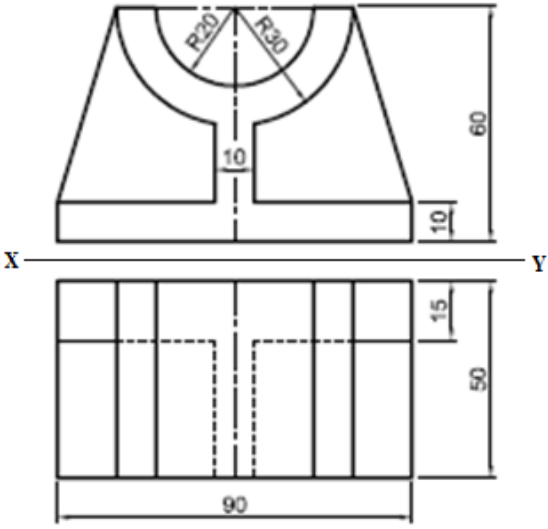
NB :   (1) Use First Angle method of projection only.
         (2) Use your Judgment for any unspecified dimension.
         (3) Retain all construction lines.
         (4) Figures to the right indicate full marks.
         (5) All dimensions are in mm.
         (6) Show necessary dimensions
         (7) Draw the diagrams a little darker so that drawings have clarity while
scanning.

1.   Q1

Q1		Answer any ONE Question out of TWO	Marks
	a	A straight line PQ has its end P 20 mm above the H.P. and 10 mm in front of the V.P. and the end Q is in 3rd quadrant, 40 mm and 50 mm away from HP and VP respectively. Draw projections of PQ if the FV is 70 mm and find the inclination of PQ with HP and VP.	10
	b	Draw a path traced out by an end of a piece of thread when unwound to a length of 100 mm from a circle of diameter 40 mm, the thread being kept tight during unwound. Name the curve traced.	10

Files submitted:

2.   Q2

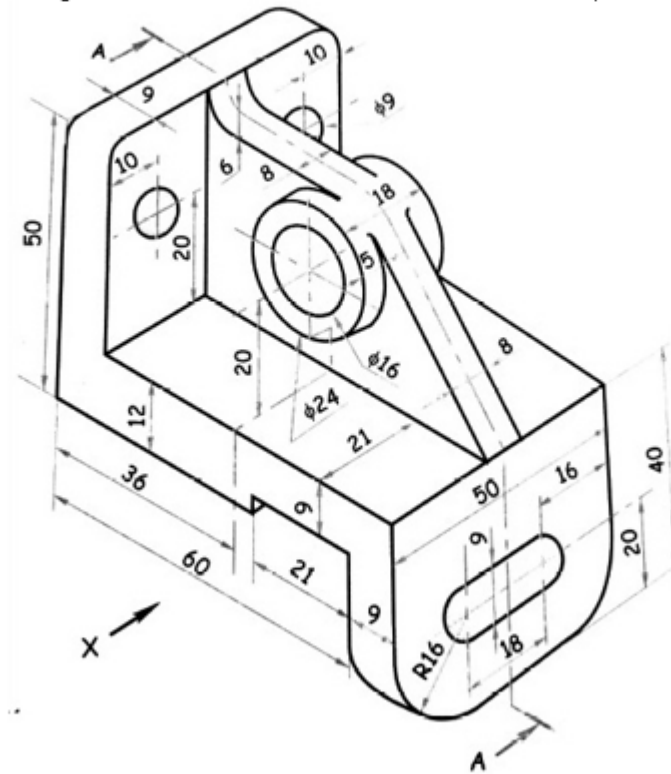| Q2		Answer any TWO Question out of THREE	
	a	A hexagonal prism of base edge 30 mm and axis 60 mm rests on an edge of its base in the H.P. Its axis is parallel to V.P. and inclined at 45° to the H.P. Draw its projections	15
	b	Figure shows two views of an object. Draw Isometric view of the object using natural scale	15
	c	A pentagonal pyramid of base side 30 mm and axis 60 mm rests on one of the corners of base on the H.P with the Apex being 50 mm above HP. Draw projections of the pyramid when the plane containing the axis is inclined 45 degrees to VP, apex being near to VP.	15

Files submitted:

3. Q3

Pictorial view of an object is given below and Draw:
1. Sectional FV (Section A-A) (8 marks)
2. TV (5 marks)
3. Right Hand Side view (5 marks)
Insert minimum 10 important dimensions (2 marks)

Files submitted:

4. Have you uploaded the required correct files *

Mark only one oval.

◯ Yes

Google Forms