

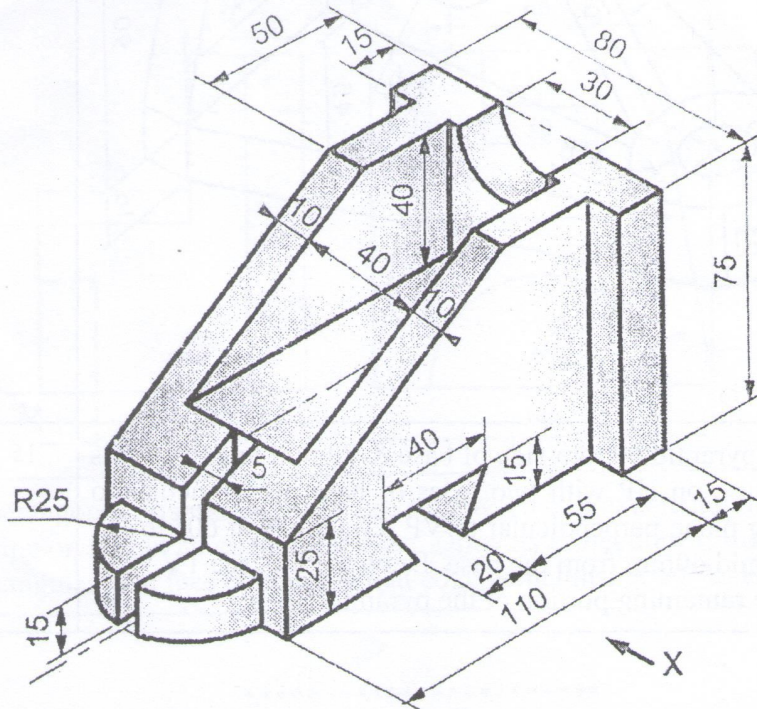
May-June 2024
 (B.Tech) Program: All Branches
 Regular: FY Semester: II
 Course Code: BSC204 and Course Name: Engineering Graphics

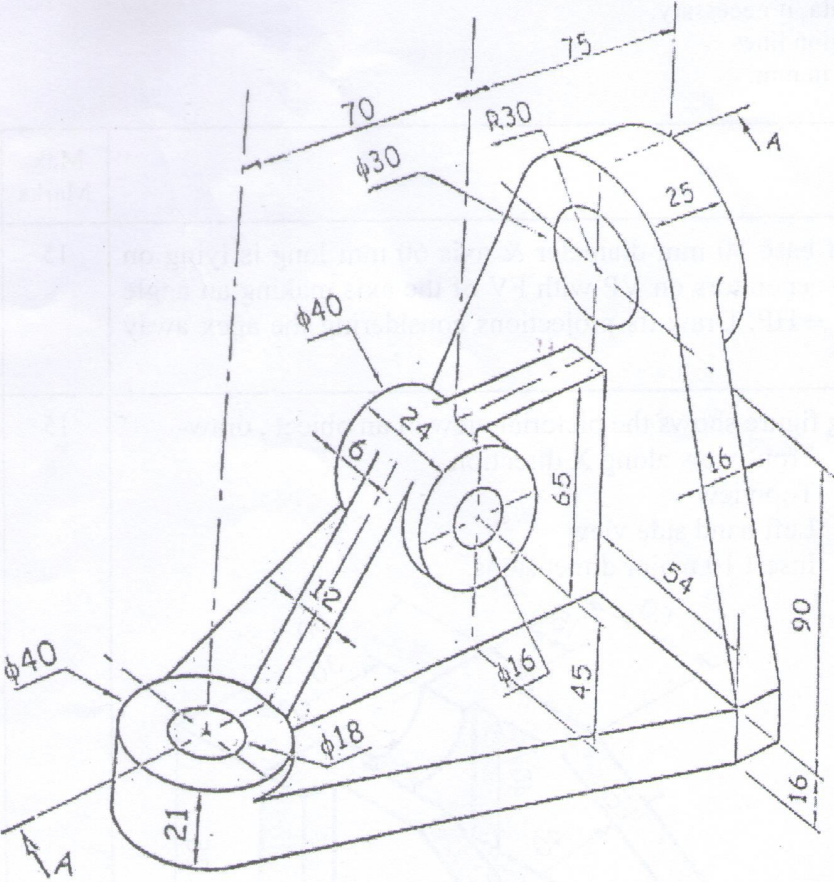
Duration: 3 Hours Max. Marks: 60

Instructions:

- (1) Attempt any four questions out of six questions.
- (2) Assume suitable data, if necessary.
- (3) Retain all construction lines.
- (4) All dimensions are in mm.

		Max. Marks	CO	BT level
Q 1.	A cone of base 50 mm diameter & axis 60 mm long is lying on one of its generators on VP with FV of the axis making an angle of 45° with HP. Draw its projections considering the apex away from HP.	15	CO2	A
Q 2.	Following figure shows the pictorial view of an object, draw- i) Front view along X direction ii) Top view iii) Left hand side view iv) Insert 10 major dimensions	15	CO4	A



<p>Q 3.</p>	<p>Following figure shows the pictorial view of an object , draw-</p> <ul style="list-style-type: none"> i) Sectional front view along section A-A ii) Top view iii) Left hand side view iv) Insert 10 major dimensions 	<p>15</p>	<p>CO5</p>	<p>A</p>
<p>Q 4.</p>	<p>A hexagonal pyramid 40 mm side of base & 70 mm length of axis rests on its base on HP with two sides of base perpendicular to VP. A cutting plane perpendicular to VP & inclined at 60° to HP cuts the pyramid 40mm from the base. Draw the FV, sec TV, TSS & DLS of the remaining portion of the pyramid.</p>	<p>15</p>	<p>CO3</p>	<p>A</p>

Q 5.	i) The TV of 70mm long line AB measures 60 mm. the end A is 10 mm above HP & 20 mm in front of VP. The other end B is 70 mm in front of VP. Draw the projections of line AB & find inclinations of the line with HP & VP. Consider line in first quadrant.	09	CO1	A
	ii) From the given 2D views shown in figure, draw an Isometric View. <div style="text-align: center;"> </div>	06	CO6	A
Q 6.	i) From the given 2D views shown in figure, draw an Isometric View <div style="text-align: center;"> </div>	09	CO6	A
	ii) A pentagonal prism of 40 mm base edge & 70 mm axis length is resting on HP on an edge of the base. Draw its projections if the rectangular side face containing that edge is inclined at 30° to HP.	06	CO2	A
