

May-June 2025-26

(B. Tech / M. Tech.) Program: All

Scheme : III

Regular Examination: FY

Semester: II

Course Code: BSC204

and Course Name: Engineering Graphics

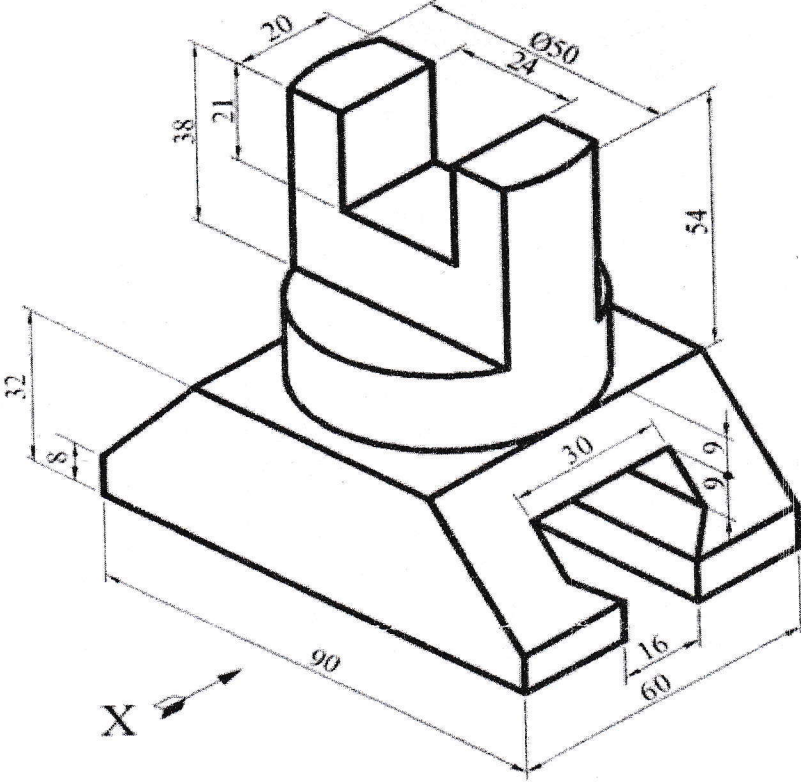
Date of Exam: 03/06/2026

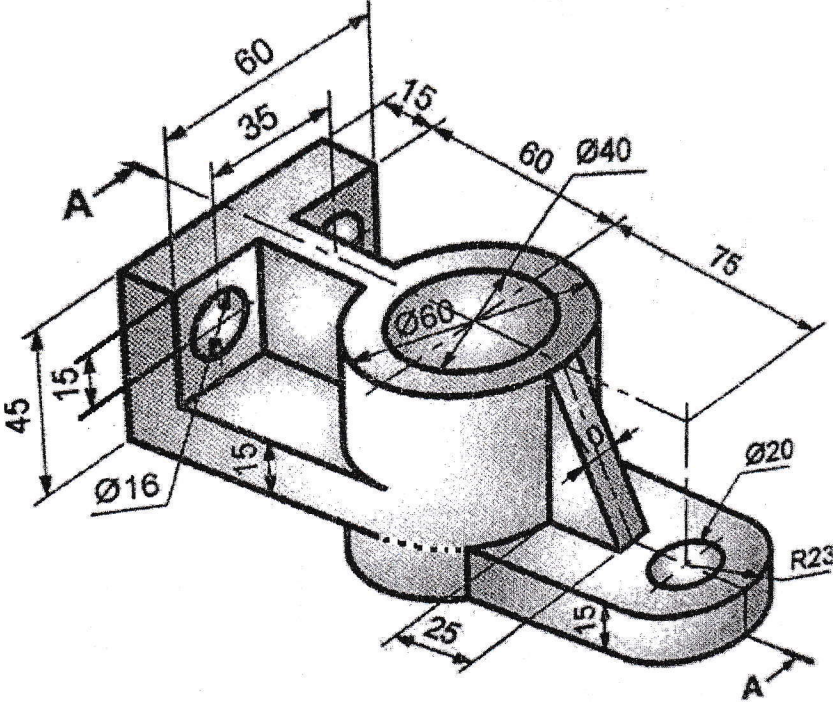
Duration: 3 Hours

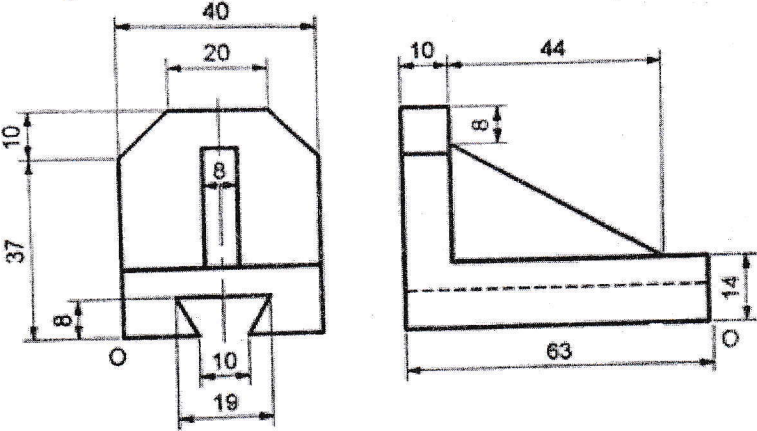
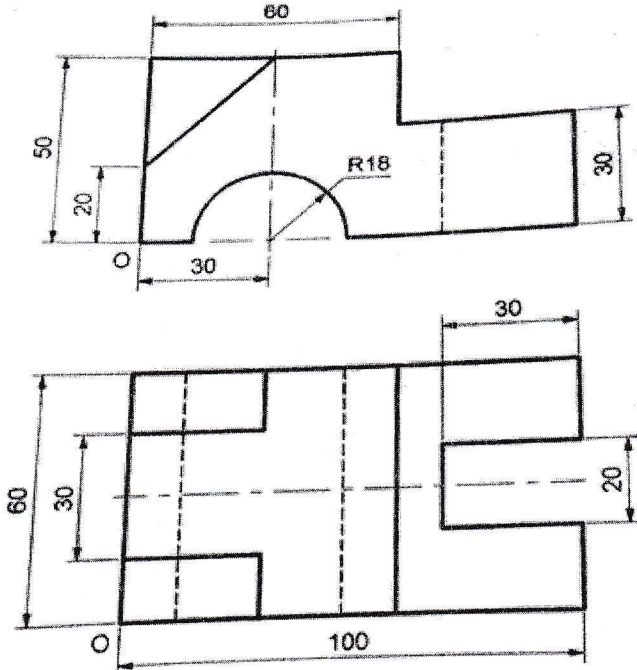
Max. Marks: 60

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.

Q. No		Max. Marks	CO	BT level
Q 1.	Following figure shows the pictorial view of an object , draw- i) Front view along X direction ii) Top view iii) Right hand side view iv) Insert 10 major dimensions 	15	CO4	A
Q 2.	A cone of base 60 mm diameter & axis 70 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 nearer to observer.	15	CO2	A

Q 3.	Following figure shows the pictorial view of an object, draw- - Sectional front view along section A-A - Top view - Right hand side view - Insert 10 major dimensions	15	CO5	A
		09	CO3	A
Q 4.	- A pentagonal pyramid 40 mm side of base & 70 mm length of axis stand on its base on the HP with an edge of base parallel to VP & nearer to it. A cutting plane perpendicular to HP & inclined at 30° to VP cuts the pyramid. The cutting plane is 10 mm away from axis of pyramid. Draw the sectional FV, TV, TSS - A cone of base diameter 60 mm & 70 mm length of axis is resting on HP on its base. A cutting plane perpendicular to VP & inclined 55° to HP bisects the axis. Draw FV, sectional TV	06	CO3	A
Q 5.	The line AB 70 mm long and its TV 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.	09	CO1	A

b)	From the given 2D views shown in figure, draw an Isometric View. 	06	CO6	A
Q 6. a)	From the given 2D views shown in figure, draw an Isometric View 	09	CO6	A
b)	The square prism, edge of base 40 mm & height 70 mm rests on one of its corner of base on VP. The axis of prism is inclined at 30° to VP. Draw its projections.	06	CO2	A
