

Supplementary Examination August- 2023
 FY B.Tech. Program: COMP/IT/EXTC/AI-DS Scheme :II
 Supplementary Examination: FY Semester: II
Course Code: BSC204 Course Name: Engineering Graphics

Date of Exam: 18th August 2023

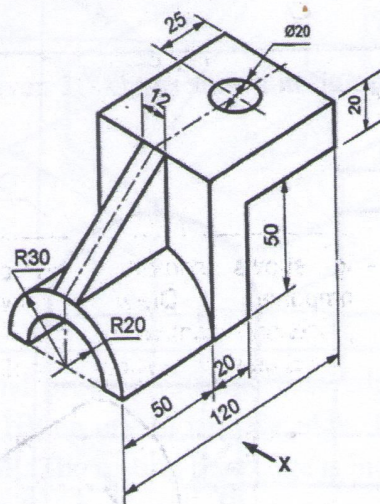
Duration: 03 Hours

Max. Marks: 60

Instructions:

- (1) All questions are compulsory.
- (2) Use first angle method of projection.
- (3) Assume suitable dimension, if necessary.
- (4) Retain all construction lines.
- (5) All dimensions are in mm.

		Max. Marks	CO	BT level
Q.1	Attempt any one out of two:-			
a.	The top view of a line AB measure 60 mm and makes angle 60° with XY line. The point A is on HP and 20 mm in front of VP. Draw projections of line AB if the line is inclined at 30° to HP. find inclination of line with VP. Consider line is in 1 st quadrant.	10	CO1	A
b.	The pictorial view of a machine part is shown in following figure. Draw- i) Front view along x- direction ii) Left hand side view iii) Insert at least 6 dimensions.	10	CO4	A



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Q.2	Attempt any two out of three:-			
a.	<p>Following figure shows the pictorial view of an object , draw-</p> <ol style="list-style-type: none"> Sectional front view along section A-A Top view Left hand side view Insert 10 major dimensions 	15	CO5	A
b.	<p>From the given 2D views shown in figure, draw an Isometric View.</p>	15	CO6	A

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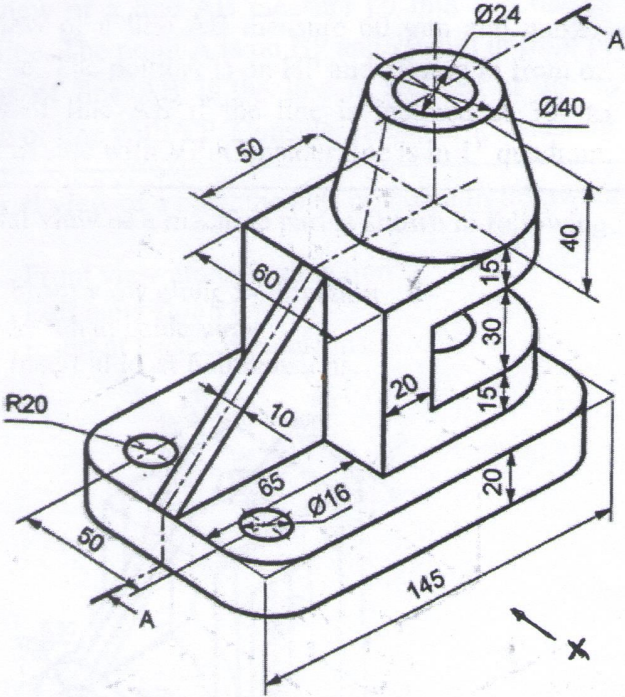
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c.	A square pyramid, 40 mm side of base & 70 mm length of axis is rests on one of its base edges on HP. Draw its projections when the axis makes an angle of 30° with HP & the resting edge makes an angle of 45° with VP.	15	CO2	A
Q.3	Attempt any one out of two:-			
a.	<p>Following figure shows the pictorial view of an object, draw-</p> <ol style="list-style-type: none"> Sectional front view along section A-A Top view Left hand side view Insert 10 major dimensions. 	20	CO5	A
b.	A hexagonal prism of 30 mm base edge & 70 mm axis length is resting on HP on one of its base edge. The axis of prism is inclined at 30° to HP. The resting base edge is inclined at 30° to VP. Draw its projections.	20	CO2	A
