R09

Code No: 51011

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech I Year Examinations, October/November - 2020
ENGINEERING DRAWING
(Electronics and Instrumentation Engineering)

Time: 2 hours **Max. Marks: 75**

Answer any three questions
All questions carry equal marks
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1. The focus of a curve is at a distance of 6.5 cms from the directrix and the eccentricity of the curve is 3/2. Draw the curve and name it. [25]

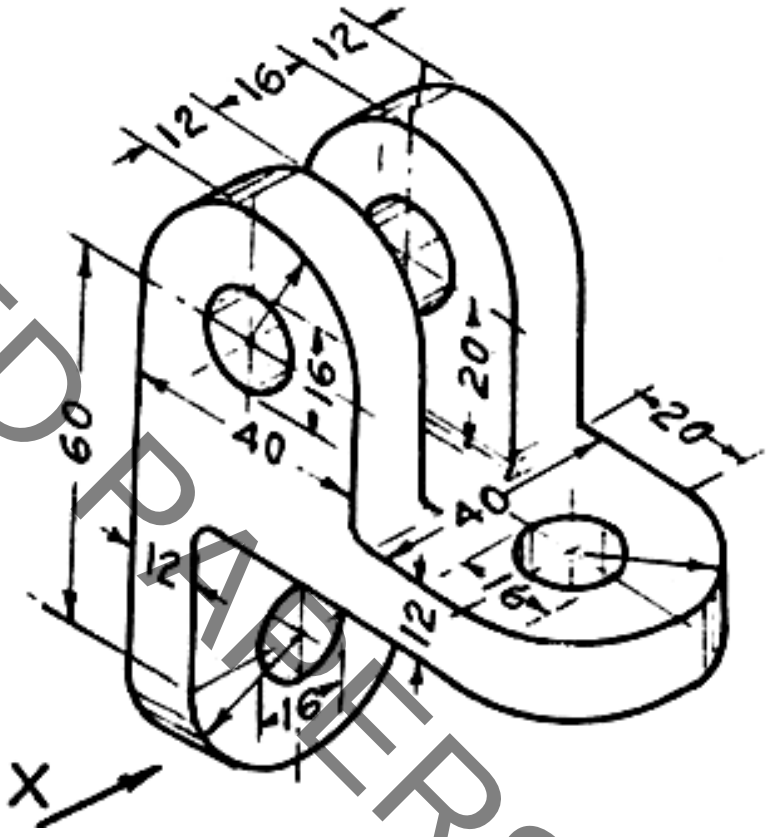
2. A point 'P' is 10 mm above HP and 15 mm infront of V.P. Another point 'Q' is 25 mm behind V.P and 35 mm below the H.P. Draw the projections keeping the distance between them as 70 mm. Draw the straight lines joining their front view and top views. [25]

3. A square pyramid of 4 cm side and height 7 cms is resting on its base, such that all the edges are equally inclined to V.P. It is cut by a section plane, perpendicular to V.P, inclined at 45^0 to H.P and bisects the axis. Draw the sectional top view, sectional side view and true shape of section. [25]

4. A vertical square prism of 50 mm side is completely penetrated by a horizontal square prism of 35 mm side and height 120 mm, so that their axes intersect each other. The axis of the horizontal prism is parallel to V.P while the faces of both prisms are equally inclined to V.P. Draw the projections showing the lines of intersection. Take the height of vertical prism as 120 mm. [25]

5. A cone of 3 cm diameter 4 cm height is placed centrally on the top of a square prism of 5 cm side and height 5 cm. Draw the isometric projection of the combination of the solids. [25]

6. For the isometric view shown in figure, draw a) Front view by seeing through arrow direction shown b) top view c) Right side view. All dimensions are in mm. [25]



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