

Code No: 51014

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B.Tech I Year Examinations, July - 2021

ENGINEERING DRAWING

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 75

Answer any three questions
All questions carry equal marks

1. The distance between Hyderabad and Suryapet is 180 Km. A bus covers this distance in 6 hours. Construct a plain scale to time upto a single minute. The R.F. of the scale is $1/200000$. Find the distance covered by the bus in 36 minutes. [25]
2. The front view of a 75 mm long line measures 55 mm. The line is parallel to the H.P. and one of its ends is in the V.P. and 25 mm above the H.P. Draw the projections of the line and determine its inclination with the V.P. [25]
3. Draw the projections of a regular pentagon of 40 mm side, having its surface inclined at 30° to the H.P. and a side parallel to the H.P. and inclined at an angle of 60° to the V.P. [25]
4. A square pyramid, base 50 mm side and axis 75 mm long, is resting on the H.P. On one of its triangular faces, the top view of the axis making an angle of 30° with the V.P. It is cut by a horizontal section plane, the V.P. of which intersects the axis at a point 6 mm from the base. Draw the front view, sectional top view and the development of the sectioned pyramid. [25]
5. Draw the a) front view b) side view c) top view of shown in figure 1. All dimensions are in mm. [10+5+10]

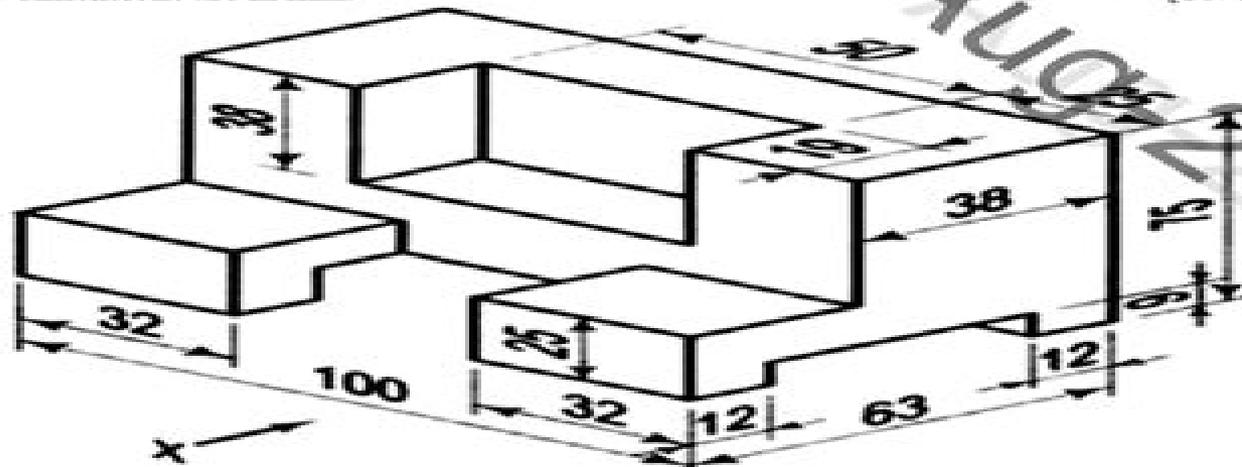


Figure: 1

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