6038
BOARD DIPLOMA EXAMINATION
MARCH/APRIL - 2019
DEEE
ENGINEERING DRAWING
FIRST YEAR EXAMINATION

Time: 3 Hours **Total Marks: 60**

PART - A (5M x 4 = 20)

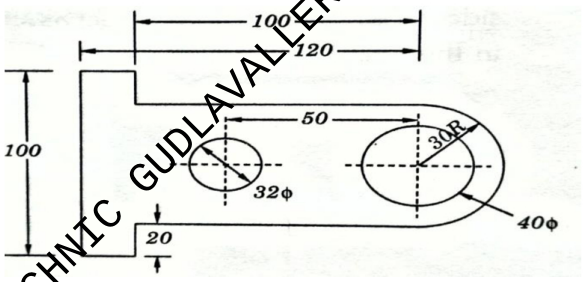
Note 1:Answer all questions and each question carries five marks

2:All dimenssions are in mm

1. Print the following 10m size vertical lettering

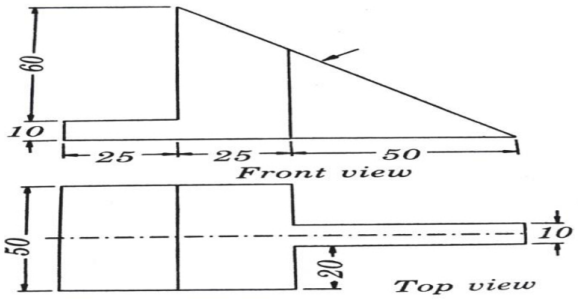
"DIRECTION OF TECHNICAL EDUCATION"

2. Redraw the figure to 1:2 scale and dimension it as per SP: 46-1988



3. A stone is thrown from the ground level. It reaches a height of 50 meters and falls on the ground at a distance of 100 meters from the point of projection. Draw the path of the stone. (Assume suitable scale)

4. Draw the auxiliary end view for the inclined surface of the object as shown in Fig



PART - B (10M x 4 = 40)

Note 1:Answer any four questions

2:Each question carries ten marks

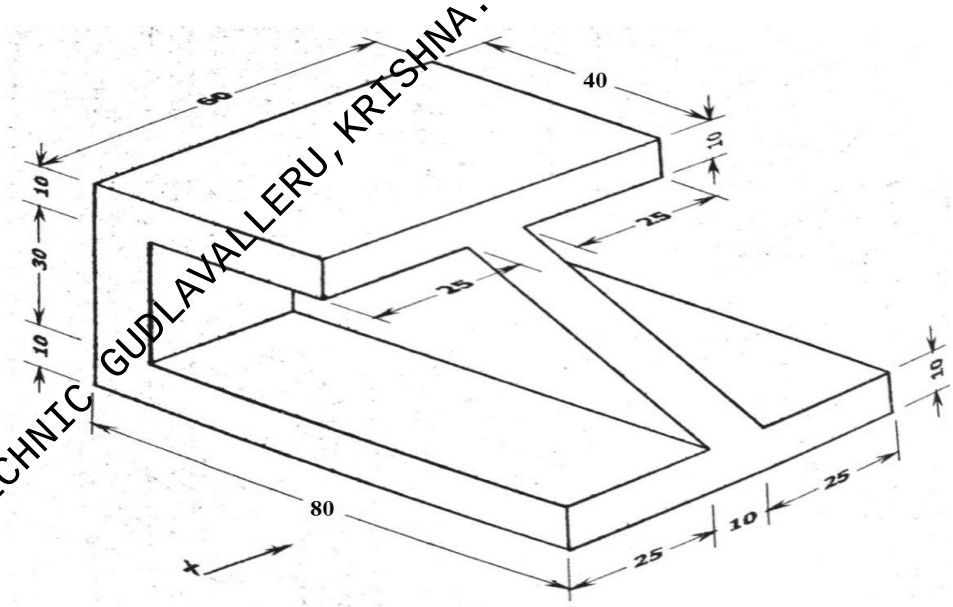
5. Draw the involute of hexagon of side 20 mm

6. A regular hexagon of 25mm side has its one edge on H.P. The surface of the Plane is perpendicular to V.P and inclined at 40° to H.P. Draw the projections of the Plane

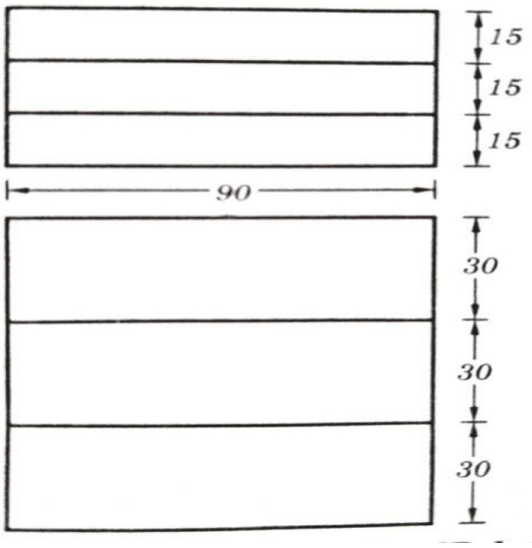
7. A hexagonal prism of base edge 30mm and 80mm long stands on the horizontal plane one of its base sides is parallel to VP. It is cut by a plane inclined at 45° to the HP and passing through the midpoint of the axis of the prism. Draw the sectional front view, top view and true shape of the section

8. For the angle shown below draw the following in 'first angle projection'

   1. Front view 2. Top view 3. Right side view



9. Draw the isometric view of the steps whose orthographic projections are given below



10. **A hexagonal pyramid of side 30mm and height 65mm is resting on its base H.P. One of its base edges is parallel to VP. It is cut by a cutting plane which is parallel to VP. It is cut by a cutting plane which is parallel H.P. and perpendicular to VP and passing through a height of 45mm from its bottom. Draw the development of the lateral surface of the Pyramid.**

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