



**SE-6017**  
**First Year B. E. (Sem. I & II)**  
**(All Branches) Examination**  
**April / May – 2011**  
**Engineering Drawing**

Time : Hours]

[Total Marks :

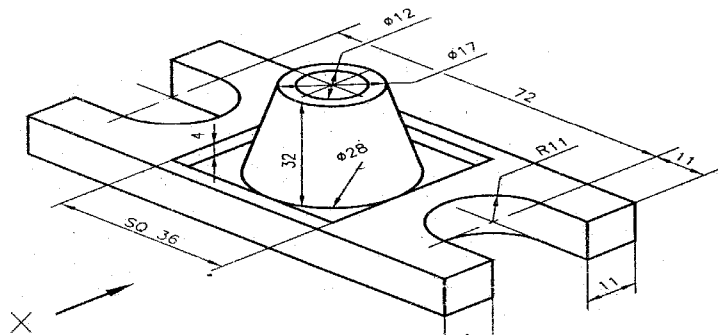
**Instructions :**

(1)

<p>नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <b>First Year B. E. (Sem. I &amp; II) (All Branches)</b></p> <p>Name of the Subject : <b>ENGINEERING DRAWING</b></p> <p>Subject Code No. : <b>6 0 1 7</b> Section No. (1, 2,.....): <b>Nil</b></p>	<p>Seat No. : <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"><tr><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td><td style="width: 15%;"></td></tr></table></p> <div style="border: 1px solid black; border-radius: 15px; height: 80px; display: flex; align-items: center; justify-content: center; margin-top: 10px;"><p>Student's Signature</p></div>						

- (2) Question no. 1 and 5 are compulsory.
- (3) Attempt any two questions from question no. 2, 3, 4 and any two questions from question no. 6, 7, 8.
- (4) Assume suitable data if necessary .
- (5) No marks for dimensioning.

- 1 Draw isometric view of a circular lamina (2D) of diameter 50 mm, placed with its surface :
  - (a) Parallel to H.P.
  - (b) Parallel to V.P.10
  
- 2 Refer fig no. 1 and using first angle projection method draw;
  - (a) Sectional front view 10
  - (b) Top view 10



**Fig. 1**



- 7 A triangular prism, with a base side of 50 mm and an axis length of 70 mm, is resting on a rectangular face on the HP, the axis being parallel to the V.P. An AIP inclined at  $45^\circ$  to the HP cuts the prism. The cutting plane intersects the axis at a distance of 30 mm from one end of the prism. Draw front view, sectional top view and sectional side view of the prism. **20**
- 8 A vertical square prism, base 50 mm side and height 90 mm has a face inclined at  $30^\circ$  to the V.P. It is completely penetrated by another square prism, base 40 mm side and axis 100 mm long, faces of which are equally inclined to V.P. The axis of two prisms are parallel to the V.P. and bisect each other at right angles. Draw the projections showing line of intersection. **20**
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