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Total No. of Pages : 03

Total No. of Questions : 09

B.Tech. (2011 to 2017) (Sem.-1,2)

ENGINEERING DRAWING

Subject Code : BTME-102

Paper ID : [A1110]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION - B & C. have FOUR questions each.
3. Attempt any FIVE questions from SECTION B & C carrying EIGHT marks each.
4. Select atleast TWO questions from SECTION - B & C.

SECTION-A**1. Answer briefly :**

- a) Give an example of the aligned system of dimensioning.
- b) Draw the symbol of third angle projection system.
- c) What is the meaning of hatching?
- d) Draw any two types of lines and give their applications.
- e) What is Single Stroke Vertical Gothic Lettering? Give an example.
- f) What do you understand by horizontal trace of a line?
- g) Draw the projections of a point P which is 20 mm below HP and 30 mm behind VP.
- h) What is an auxiliary plane?
- i) Give an example of regular polyhedra.
- j) Draw the plan and elevation of a 50 mm long line AB which is parallel to both the principal planes.

8. A square prism, edge of the base 30 mm and height 60 mm is resting on its base on HP. It is completely penetrated by another square prism of 20 mm base edge and height 60 mm such that the axis of the penetrating prism is perpendicular to and 10 mm in front of the axis of the vertical prism. The rectangular faces of the two prisms are equally inclined to VP. Draw the projections of the solids showing lines of intersection.
9. Three orthographic views of an object in THIRD ANGLE are shown in Figure 2 below. Draw its isometric view.

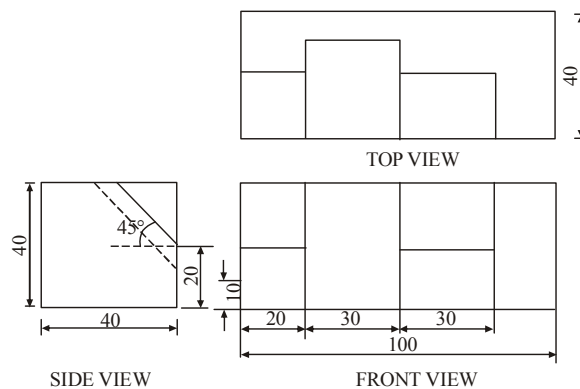


Figure - 2