



c09-c-107

3017

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2013

DCE—FIRST YEAR EXAMINATION

ENGINEERING DRAWING

Time : 3 hours ]

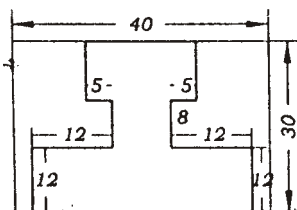
[ Total Marks : 60

**PART—A**

- Instructions** : (1) Answer **all** questions.  
(2) Each question carries **five** marks.  
(3) All dimensions are in mm.

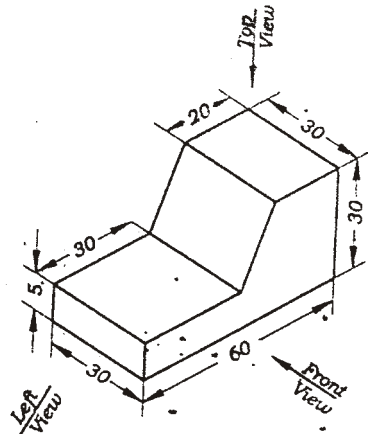
1. Print the following in single-stroke 10 mm size inclined lettering :  
“DEPARTMENT OF TECHNICAL EDUCATION”

2. Redraw the following figure and show the dimensions in unidirectional system :

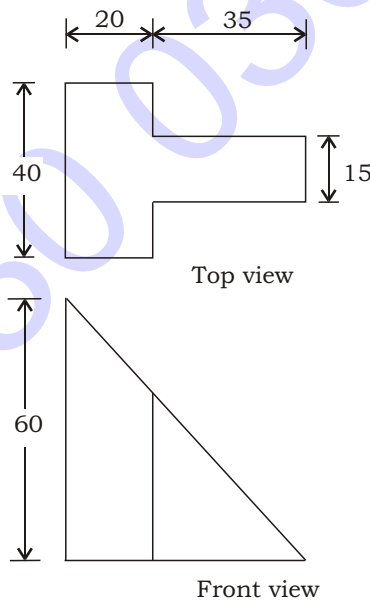


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3. Draw the front view and top view of the following object :



4. Draw the auxiliary view of the inclined surface of the views given below :

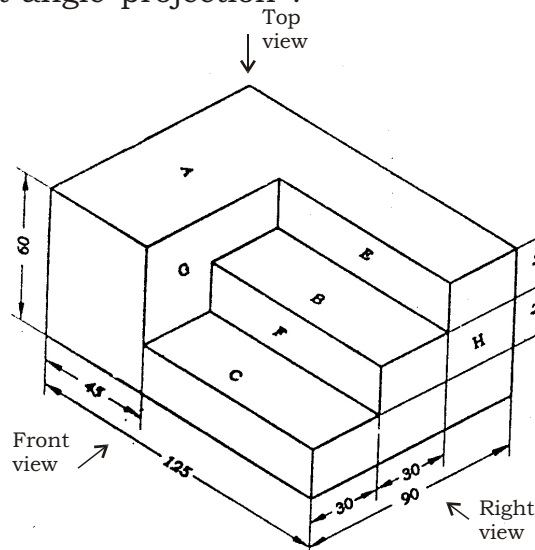


**PART-B**

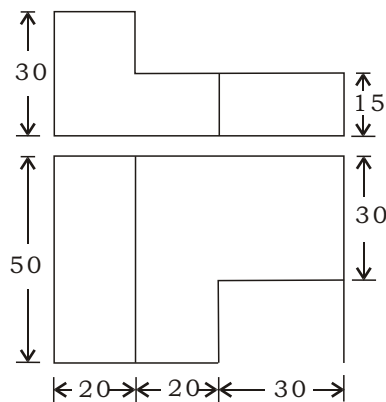
- Instructions :** (1) Answer **any four** questions.  
(2) Each question carries **ten** marks.  
(3) All dimensions are in mm.

5. (a) Construct a regular hexagon of side 40 mm.  
(b) Divide a line 80 mm long into 10 equal parts.

6. Draw the projections of a pentagonal prism of base side 25 mm and height 60 mm which is resting on HP with one of its base side which is perpendicular to VP such that the axis is making an angle of  $45^\circ$  to HP and parallel to VP.
7. Draw the front view, top view and right-side view of the following object in first-angle projection :



8. A cylinder of base dia. 40 mm and height 75 mm, standing on its base is cut by a plane perpendicular to VP and at  $60^\circ$  to the HP. Draw the sectional top view and the true shape of the section if the cutting plane passing through the top end of axis.
9. Draw an isometric view of an object whose orthographic projections are given below :

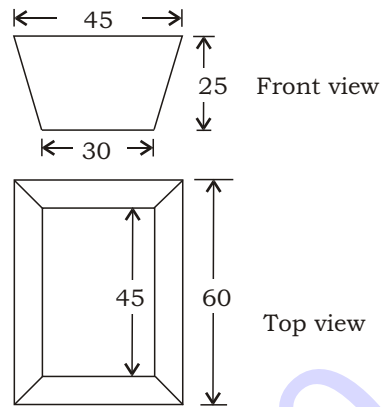


Orthographic View in First-Angle Projection

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- 10.** Draw the development of tray whose front and top views are shown below :



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