



3032

C09-CHPC-107/C09-EC-107/C09-PET-107

3032

BOARD DIPLOMA EXAMINATION, (C-09)

OCT/NOV—2014

DECE—FIRST YEAR EXAMINATION

ENGINEERING DRAWING

Time : 3 hours]

[Total Marks : 60

PART—A

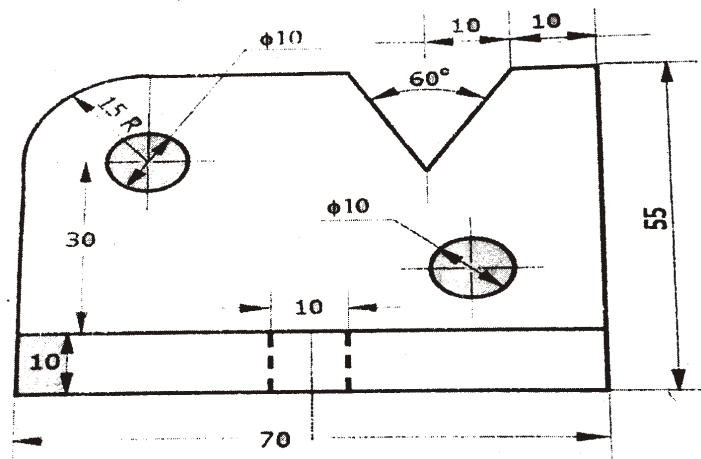
5×4=20

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **five** marks.
(3) All dimensions are given in mm.
(4) Drawing should be near and clear with the necessary dimensions.

1. Print the following in single-stroke capital inclined letter in 12 mm size :

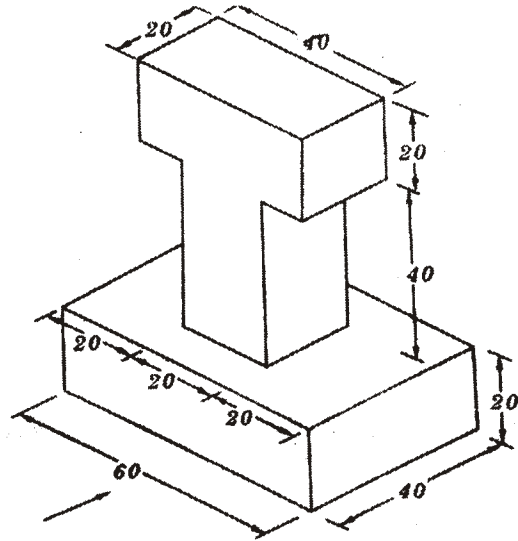
“BOARD DIPLOMA EXAMINATIONS”

2. Re-draw the following figure and dimension it as per SP:46-1988 :

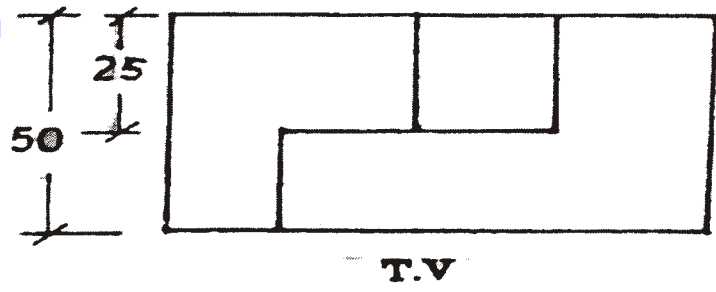
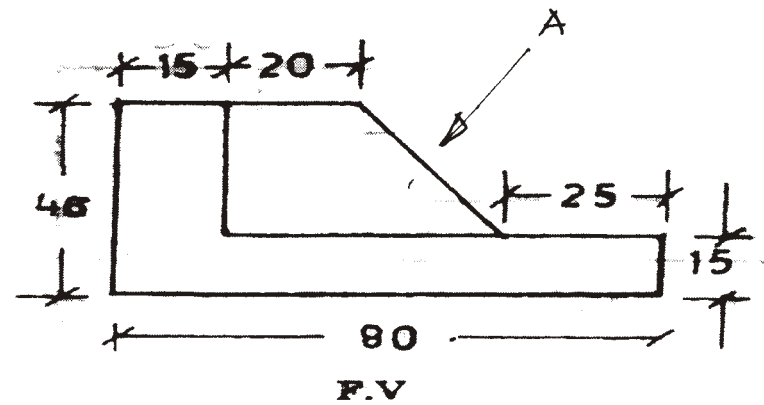


*

3. Draw the front view of the block shown in the figure below :



4. Draw the auxiliary view for the orthographic view as shown in the figure below in the direction A :

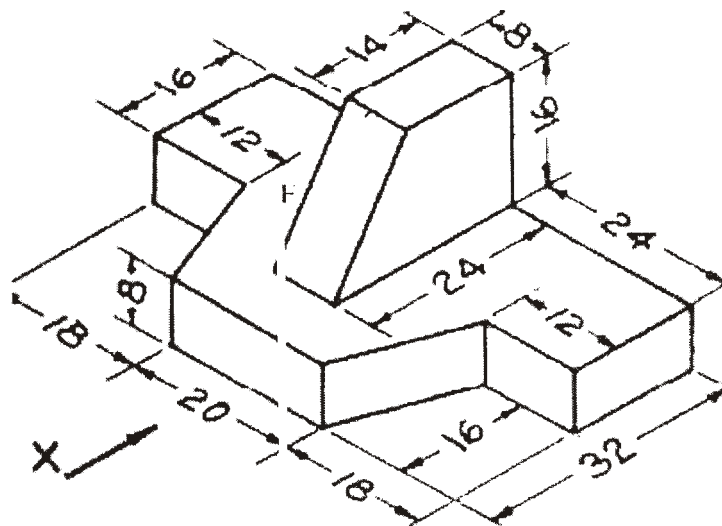


PART—B

10×4=40

- Instructions :** (1) Answer *any four* questions.
(2) Each question carries **ten** marks.
(3) All dimensions are given in mm.
(4) Drawing should be near and clear with the necessary dimensions.

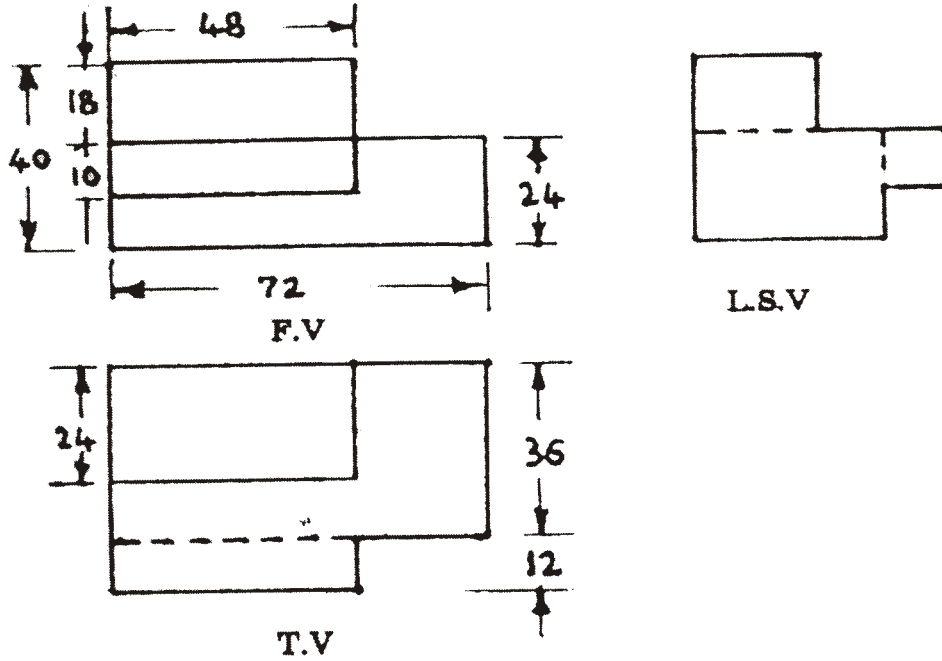
5. A stone is thrown from the ground level. It reaches a height of 40 metres and falls on the ground at a distance of 80 metres from the point of projection. Draw the path of the stone.
6. A square $ABCD$ of 50 mm side has its corner A in the HP, its diagonal AC inclined at 30° to the HP. The diagonal BD is perpendicular to the VP and parallel to the HP. Draw its projections.
7. Draw the front view, top view and right side view of the given figure :



8. A cone of diameter 60 mm and height 70 mm is resting on ground on its base. It is cut by a section plane perpendicular to VP inclined at 45° to HP and cutting the axis at a point 40 mm from the bottom. Draw the front view and sectional top view.

*

9. Draw the isometric view of the object whose orthographic views are given below :



10. A cone of base 50 mm diameter and height 60 mm rests with its base on HP. A section plane perpendicular to VP and inclined at 30° to HP bisects the axis of the cone. Draw the development of the lateral surface of the truncated cone.
