



C14-EC-107/C14-CHPC-107/C14-PET-107

4037

BOARD DIPLOMA EXAMINATION, (C-05)

MARCH/APRIL—2016

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.

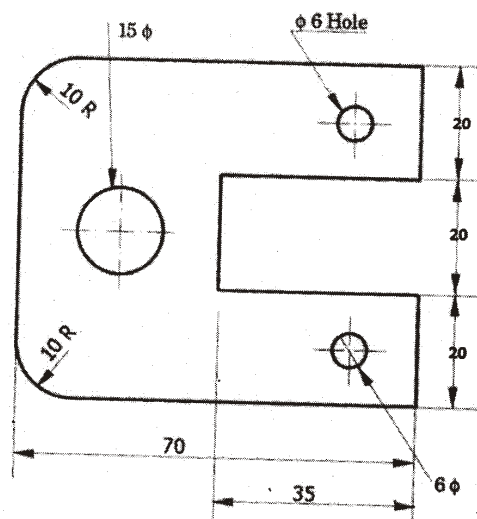
(3) Take suitable scale wherever required.

(4) All dimensional are in mm.

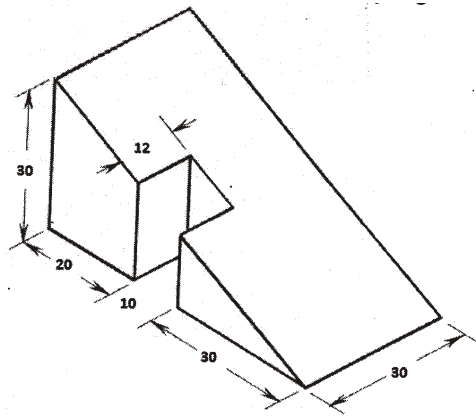
1. Print the following in 10 mm size single stroke vertical capital lettering as per SP : 46-1988 :

TECHNICAL EDUCATION

2. Redraw and dimension the following figure using 'parallel dimensioning' :



3. Devide a line AB of 100 mm into seven equal parts.
4. Draw the auxiliary view of the sloping side of the object given below :

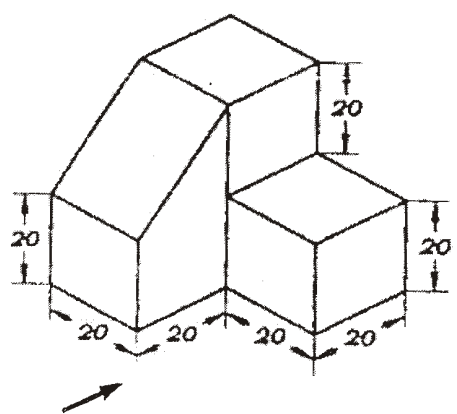


PART—B

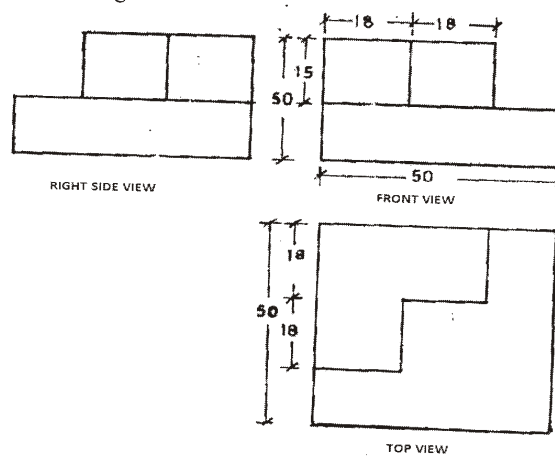
10×4=40

- Instructions :** (1) Answer *any four* questions.
 (2) Each question carries **ten** marks.
 (3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

5. Construct an ellipse by concentric circles method whose major and minor axes are 120 mm and 80 mm respectively.
6. A hexagonal pyramid, with side of the base 25 mm and axis 70 mm long, is resting with its base on HP such that one of the base edge is inclined to VP at 35°. Draw the projections of the hexagonal pyramid.
7. Draw front view, top view and right-side view of the object shown in figure below :



8. A cone 25 mm radius and 70 mm axis is resting on HP with its base. A cutting plane perpendicular to VP and 30° to HP cuts the solid at mid-height of the cone. Draw the front view and sectional top view.
9. Draw the isometric view of the block whose top, front and side views are given below :



10. A pentagonal prism of side 25 mm and axis 70 mm is resting with its base on ground. A cutting plane inclined at 30° to the HP and passing through mid-height of the axis cuts the solid. Develop the lateral surface of the bottom portion of the prism.
