C09-A-AEI-BM-C-CM-CH-CHPP-CHPC-
CHOT-CHST-EC-EE-IT-MET-M-
MNG-PET-TT-RAC–**107**

3005

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2021

FIRST YEAR (COMMON) EXAMINATION

ENGINEERING DRAWING

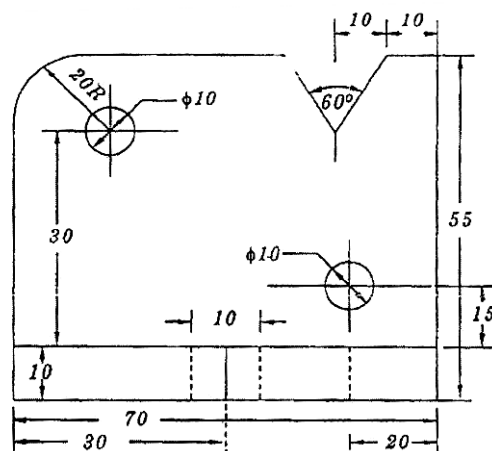*Time* : 3 hours]

[*Total Marks* : 60

PART—A

10×2=20

Instructions : (1) Answer *any* **two** questions.

(2) Each question carries **ten** marks.
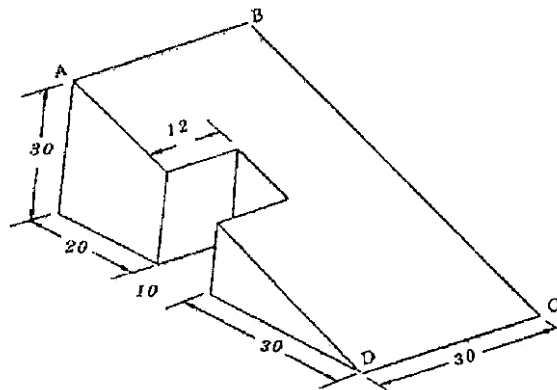
(3) All dimensions are in mm.

1. Print the following in single-stroke vertical lettering of 10 mm size in capital letters :

ALL THE BEST FOR YOUR EXAMINATION

2. Redraw the given figure to full scale and represent with unidirectional dimensioning :

1

3. Divide a line of 50 mm length into 6 equal parts.

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

Instructions : (1) Answer *any* **three** questions.

(2) Each question carries **thirteen** marks.

(3) All dimensions are in mm.

(4) **One** mark carries for neatness.

5. Draw an involute on a square of side 20 mm.

6. A hexagonal pyramid of base 30 mm and height 60 mm rests with its base on HP such that one of the edges of the base is parallel to and 10 mm in front of VP. Draw its projections.
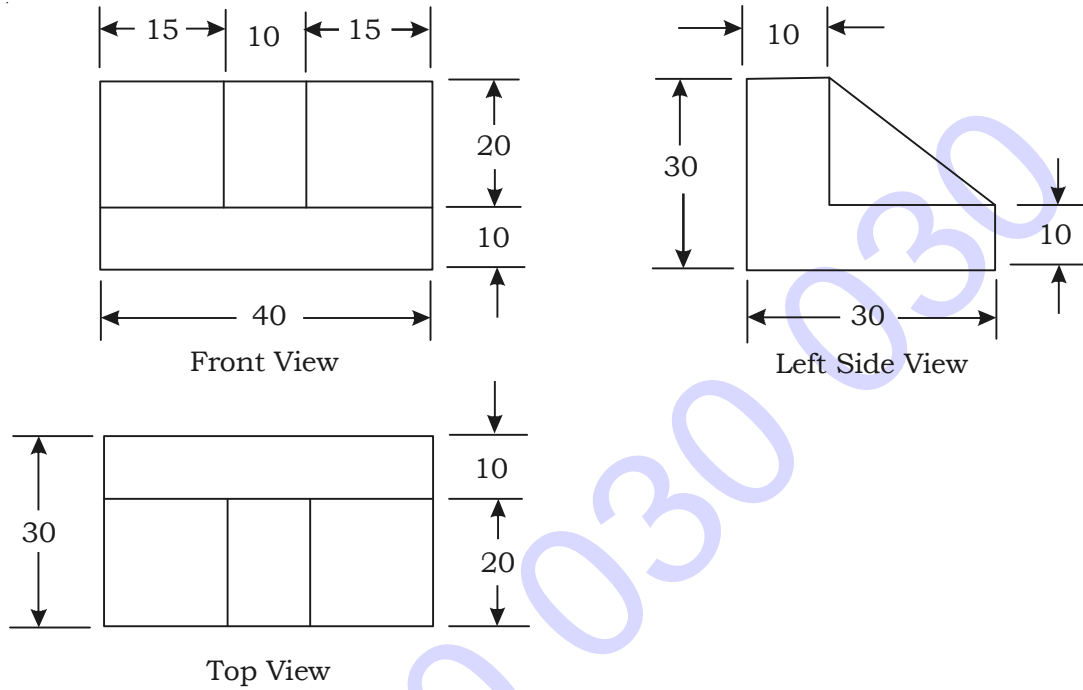
7. Draw the sectional front view, sectional end view and top view of the blocks as shown in the following figure, viewing it in the directions of X, Y, Z respectively :
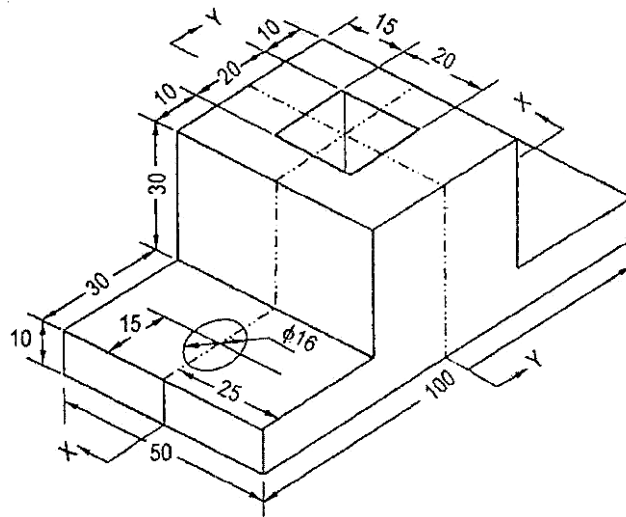
8. Draw the front view and top view of the object shown below :
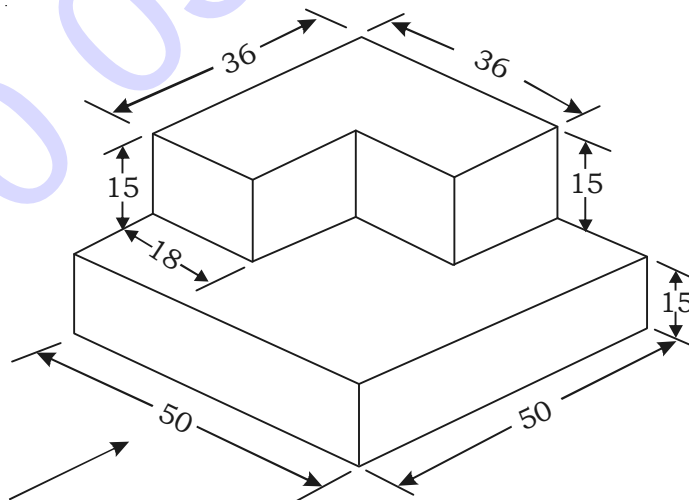
9. Draw an isometric view of an object whose orthographic views are given below :

Front View

Left Side View

Top View

10. Draw the development of lateral surface of a square pyramid which is standing on HP with one of its base edges parallel to VP. The base of square is 25 mm side and the height of the axis is 40 mm.

★ ★ ★