



* 3005 *

C09-A-107/C09-AEI-107/C09-BM-107/C09-C-107/ C09-
CM-107/C09-CH-107/C09-CHPP-107/C09-CHPC-107/
C09-CHOT-107/C09-CHST-107/C09-EC-107/C09-EE-107/
C09-IT-107/C09-MET-107/C09-M-107/C09-MNG-107/

FW-107/PKG-107/C09-PET-107/C09-TT-
107/C09-RAC-107

3005

BOARD DIPLOMA EXAMINATION, (C-09)

APRIL/MAY—2015

FIRST YEAR (COMMON) 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 whenever required.

(4) All dimensions are in mm.

1. Print the following line in 10 mm size single stroke vertical capital lettering :

“WORK IS WORSHIP”

2. Redraw the following as shown in Fig. 1 below and dimension it properly as per SP:46-1988 :

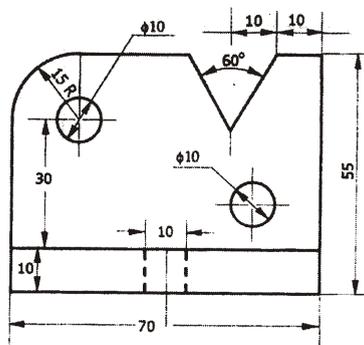


Fig. 1

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3. Draw the auxiliary view for the inclined surface of the given object as shown in Fig. 2 :

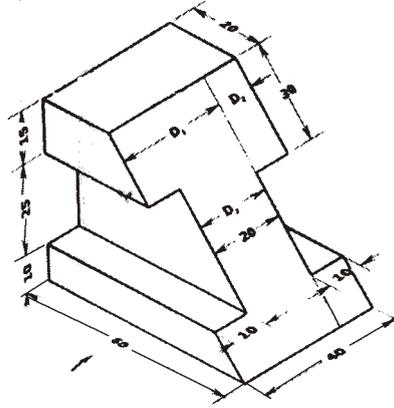


Fig. 2

4. Draw the front view of the following pictorial drawing in first angle as shown in Fig. 3 :

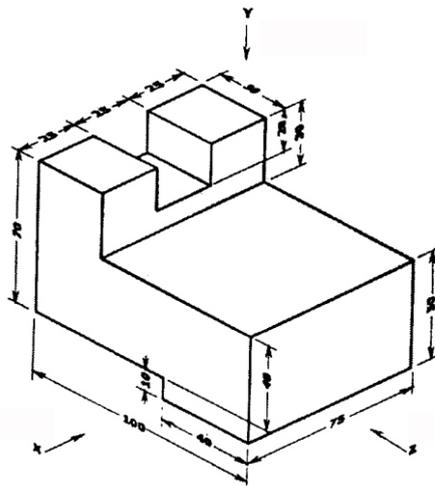


Fig. 3

PART—B

10×4=40

- Instructions :** (1) Answer *any four* questions.
(2) Each question carries **ten** marks.
(3) Take suitable scale whenever required.
(4) All dimensions are in mm.
(5) Use first angle projection.

5. Draw an involute on a circle of radius of 20 mm.
6. The surface of a pentagon of side 40 mm is parallel and 25 mm in front of the VP. One of its sides makes an angle of 30° with HP. Draw its projection.
7. Draw isometric view of the block whose orthographic views are shown in Fig. 4 :

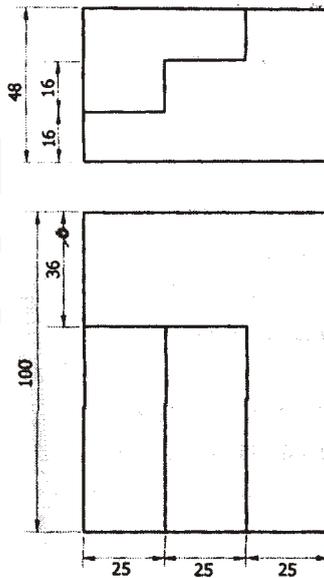


Fig. 4

8. A cylinder of base diameter 40 mm and height 60 mm rests on its base on HP. A plane perpendicular to VP and inclined to 30° to HP cuts it through a point 30 mm from base on the axis. Draw the front view, top view and true shape of section.

