



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/
C09-PET-107/C09-TT-107/C09-RAC-**107**

3005

BOARD DIPLOMA EXAMINATION, (C-09)
OCT/NOV—2016
FIRST YEAR (COMMON) EXAMINATION
ENGINEERING DRAWING

Time : 3 hours]

[Total Marks : 60

PART—A

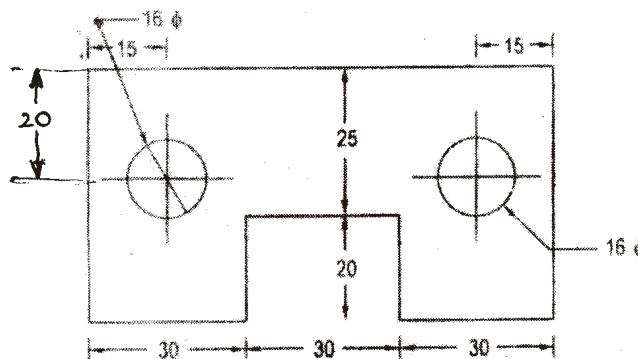
5×4=20

- Instructions :** (1) Answer **all** questions.
(2) Each question carries **five** marks.

1. Write the following in single-stroke inclined letters of size 10 mm as prescribed in SP : 46-1988 :

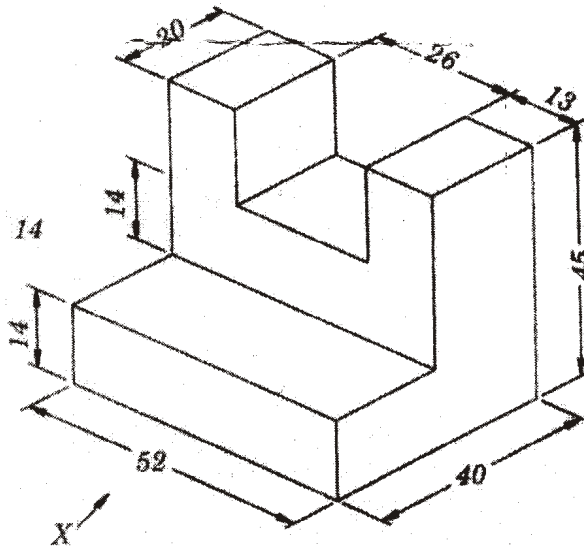
“STATE BOARD OF TECHNICAL EDUCATION”

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

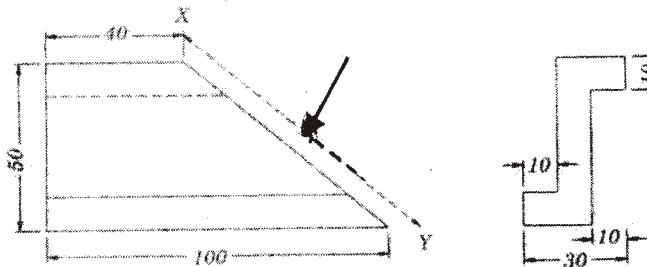


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3. Draw the front view of the figure shown below :



4. The following figure shows the front and side view of an object. Draw the auxiliary view in the direction of the arrow.



PART—B

10×4=40

Instructions : (1) Answer *any four* questions.
(2) Each question carries **ten** marks.

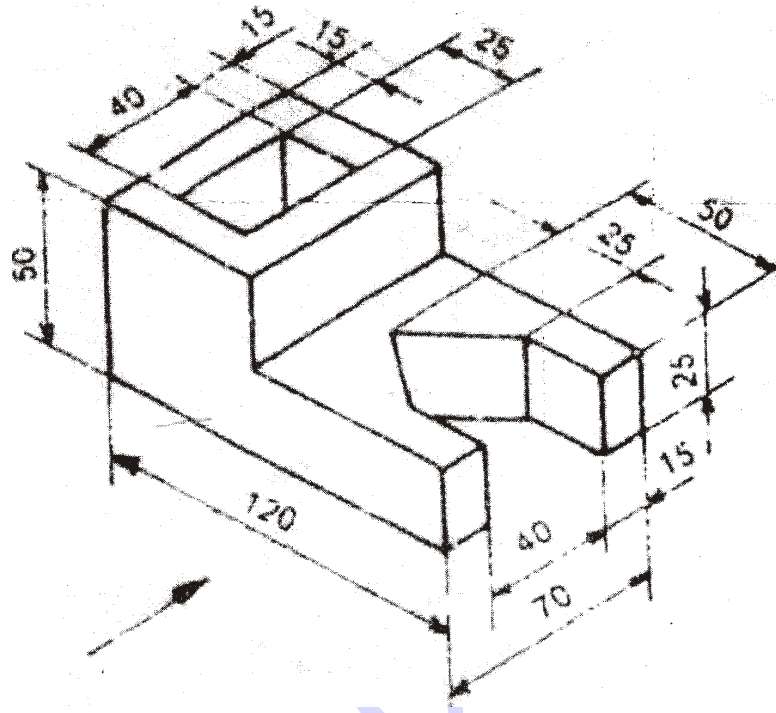
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5. Construct a cycloidal curve through a point on the circumference of a circle of radius 30 mm.

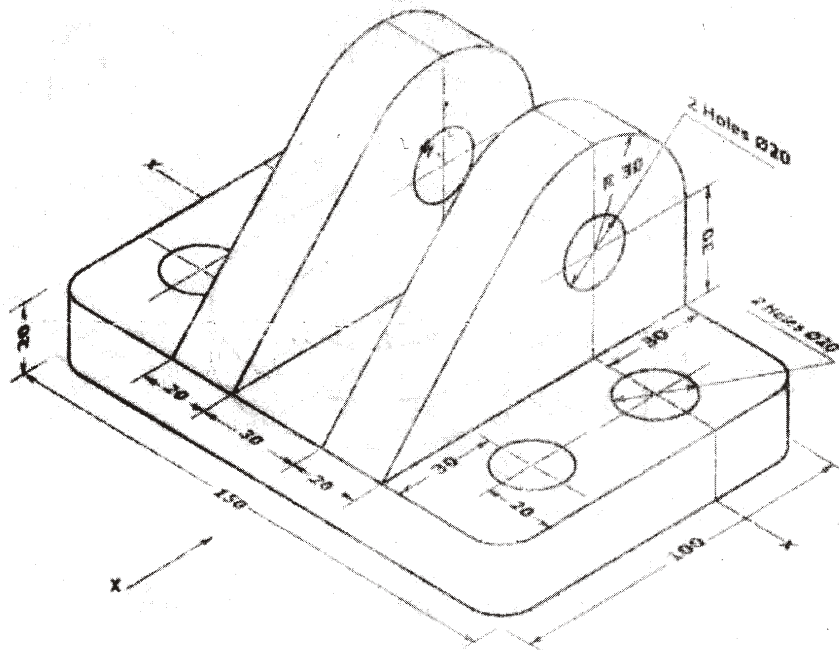
6. A regular hexagonal plane of side 30 mm is inclined at 45° to VP and is perpendicular to HP. Draw the projections of the plane.

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7. Draw the front view, top view and right side view of the figure shown below :

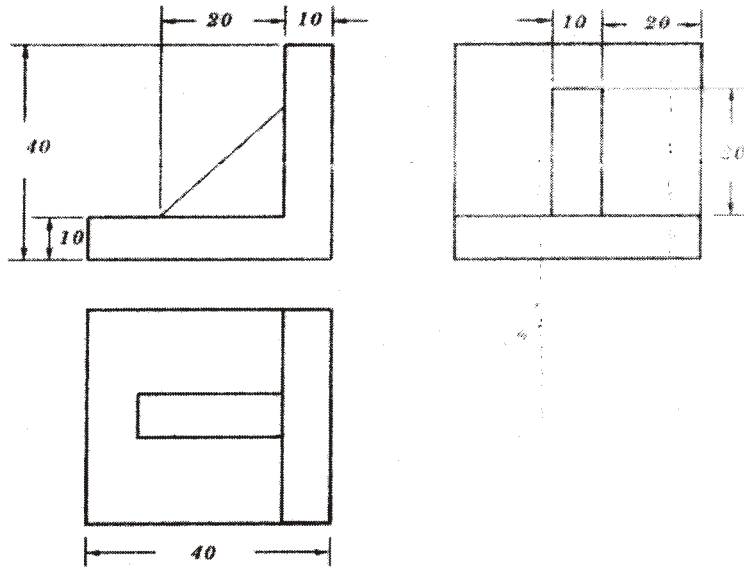


8. A bearing bracket is shown in the figure. Draw (a) sectional front view, (b) top view and (c) right side view when section plane is X-X.



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9. Draw the isometric view of the ribbed angle plate shown in figure below. All dimensions are in mm and the views are given in the first angle :



10. Draw the development of pentagonal pyramid of 30 mm base side and 60 mm long axis which is resting on its base in the HP.
