



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

**3005**

**BOARD DIPLOMA EXAMINATION, (C-09)**

**OCT/NOV—2012**

**FIRST YEAR (COMMON) EXAMINATION**

**ENGINEERING DRAWING**

*Time : 3 hours ]*

*[ Total Marks : 60*

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**PART—A**

5×4=20

- Instructions** : (1) Answer **all** questions.  
(2) Each question carries **five** marks.  
(3) All dimensions are in mm.

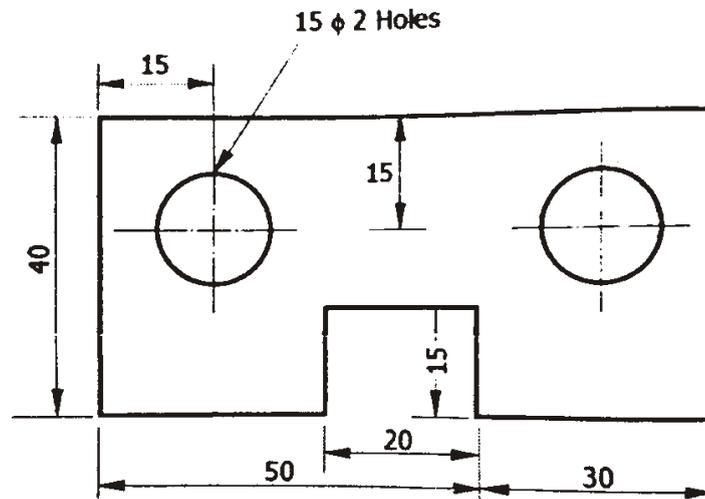
- 1.** Print the following words in 10 mm size single-stroke capital inclined lettering :

5

“BOARD DIPLOMA EXAMINATIONS”

- \* 2. Redraw the following figure to full size scale and dimension it properly using parallel dimensioning :

5

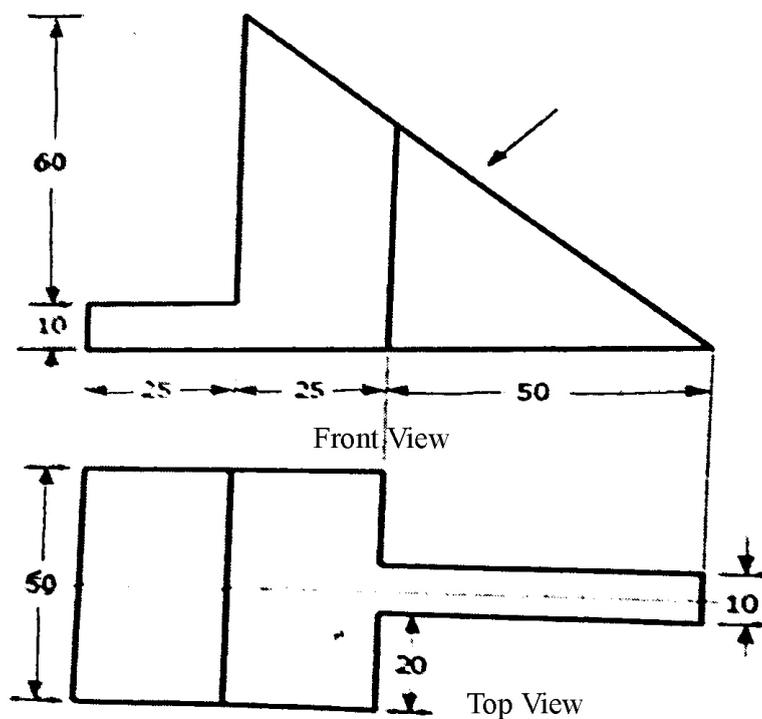


3. Divide a line 105 mm long into six equal parts.

5

4. Draw the auxiliary view for the inclined surface of the following views :

5



**PART—B**

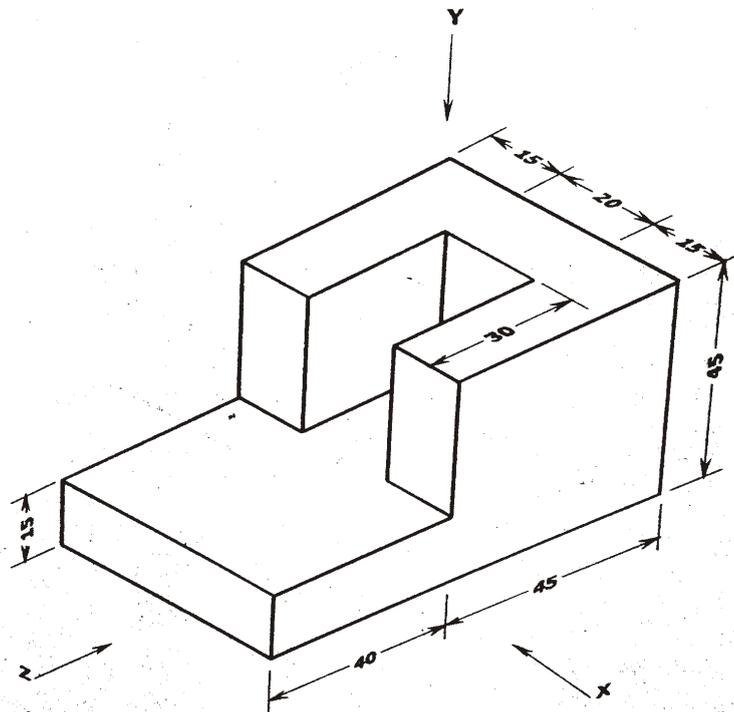
10×4=40

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

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

(3) All dimensions are in mm.

5. Construct a cycloidal curve through a point on the circumference of a circle of radius 20 mm. 10
6. Draw the projections of a cone, base 30 mm diameter and axis 50 mm long resting on HP on a point of its base circle with the axis making an angle  $45^\circ$  with HP and parallel to the VP. 10
7. Draw the front view, top view and left-hand side view of the object as shown in the figure below : 10



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 at  $30^\circ$  to HP cuts it through a point 30 mm from base on the axis. Draw the front view, sectional top view and true shape of the section. 10

