



ENGINEERING DRAWING

[Total Marks : 60

$$5 \times 4 = 20$$

(3) All dimensions are in mm.

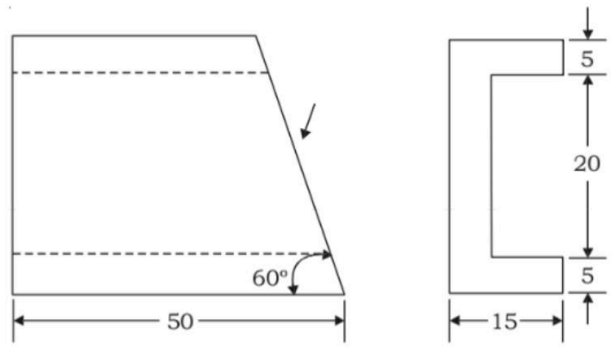
- “ALL DIMENSIONS ARE IN MM”

-
- A diagram of a stepped L-shaped figure. The total width is 40 and the total height is 30. The figure has a base of 40 and a left side of 30. The top edge is divided into three segments: 15, 10, and 10. The left side has a small step of 5 units from the bottom. The top-right corner has a vertical step of 10 units.

[Contd...]

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4. Draw the auxiliary view of the inclined surface of the given views :



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 an ellipse of major axis 120 mm and minor axis 70 mm by concentric circles method.
- * 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. A triangular prism with a base side of 50 mm and height 70 mm is resting on one of its rectangular faces on HP with the axis perpendicular to VP. The prism is cut by a horizontal section plane passing through the axis. Draw front view and sectional top view of the prism.

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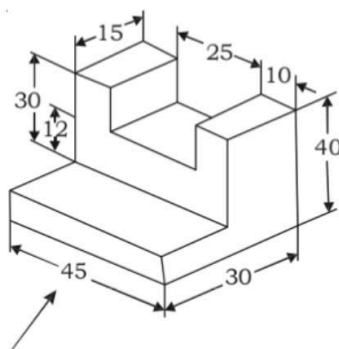
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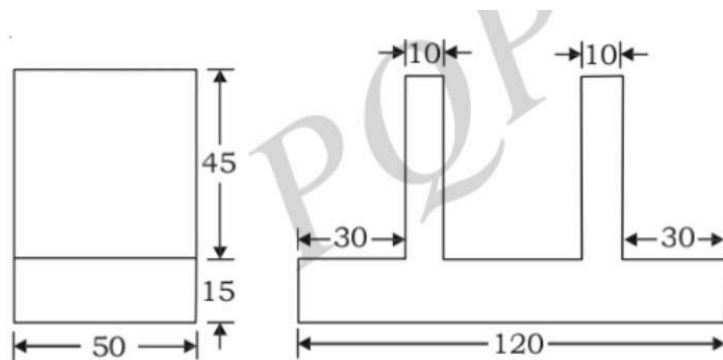
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8. Draw the front *view*, top view and side views of the object shown below.



9. Draw an isometric view of an object whose orthographic views are given in the following figure.



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

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