

INDIAN SCHOOL MUSCAT SECOND PERIODIC ASSESSMENT

ENGINEERING GRAPHICS

CLASS: XI

Sub. Code: 046

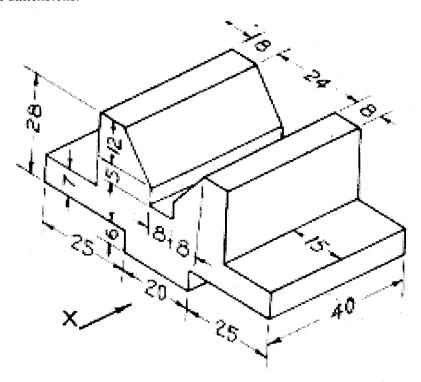
Time Allotted: 50mts.

19.01.2020 Max. Marks: 20

GENERAL INSTRUCTIONS:

• Attempt all the questions.

- Follow the SP: 46-2003 codes. (with first angle method)
- Missing and mismatching dimension if any may be assumed suitably.
- All dimensions are in millimeters.
- Use both sides of the drawing sheet, if necessary.
- 1. A hexagonal prism of side 30 mm and height 70 mm is resting on one its base edges on HP. It is cut by a section plane inclined at 45° to HP and passing through a point on the axis 10 mm below the top end. Draw its projections and development.
- 2. Draw the orthographic projections of the given machine block in full size scale. Print the views and mark all dimensions.



End of the Question Paper



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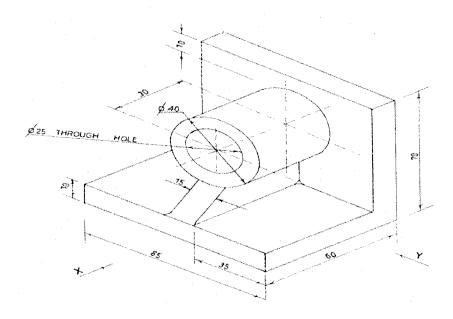
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- Missing and mismatching dimension if any may be assumed suitably.
- All dimensions are in millimeters.
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- 1. A hexagonal pyramid, base 30 mm side and axis 70 mm long, is resting one of its slant edges on the HP. A section plane, perpendicular to the VP and inclined to HP passes through the highest corner of the base and intersecting the axis at 25 mm from the base. Draw the following views of the pyramid and also determine the inclination of the section plane with the HP a) Front view b) Sectional top view c) True shape of the section.
- 2. Draw the orthographic projections of the given machine block in full size scale. Print the views and mark all dimensions.



End of the Question Paper