

12/11
Roll Number

A



INDIAN SCHOOL MUSCAT FIRST PERIODIC ASSESSMENT

ENGINEERING GRAPHICS

CLASS: XI

Sub. Code: 046

Time Allotted: 50 mts.

13.11.2019

Max. Marks: 20

GENERAL INSTRUCTIONS:

- a) Attempt all the questions.
 - b) Follow the SP: 46-2003 codes. (with first angle method)
 - c) Missing and mismatching dimension if any may be assumed suitably.
 - d) All dimensions are in millimeters.
 - e) Use both sides of the drawing sheet, if necessary.
1. A 60° set square of 100mm longest side is so kept that the longest side is in the VP, making an angle of 30° with the HP and the set square itself inclined at 45° to the VP. Draw the projections of the set square. 8
 2. A hexagonal pyramid, base 35mm side and height 60mm is resting on HP one of its base edges. The axis of the pyramid is inclined at 45° to the HP and the base edge on which it is resting is inclined at 60° to the VP. Draw the projections of the hexagonal pyramid. 12

End of the Question Paper

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B



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ENGINEERING GRAPHICS

CLASS: XI

Sub. Code: 046

Time Allotted: 50 mts.

13.11.2019

Max. Marks: 20

GENERAL INSTRUCTIONS:

- Attempt both the questions.
- Follow SP-46-1988 Codes. Use First angle projection method.
- Missing and mismatching dimensions should be suitably assumed.
- All dimensions are in millimeters.
- Use both the sides of the drawing sheet.
- Neatness and clarity of constructions will be duly rewarded.

1. A **rectangular lamina** of side 40mmx70mm is resting on its shorter edge on HP. Find the angle of inclination with HP for which the lamina appears as a square of side 40mm in the top view. The resting edge is inclined at 60° to VP. Draw its orthographic projections. (08)
2. A **pentagonal prism** side 30mm and height 60 mm is resting on HP on one of its base edges. The rectangular face containing the resting base edge is inclined at 45° to HP. The same base edge is resting edge is inclined at 30° to VP. Draw the orthographic projections of the pyramid. (12)

End of the Question Paper