

**INDIAN SCHOOL MUSCAT****SECOND PERIODIC TEST****ENGINEERING GRAPHICS**

CLASS: XI

Sub.Code: 046

Time Allotted: 50mts.

26 .11.2023

Max .Marks: 20

Roll no..... Name of the Student..... sec.....

GENERAL INSTRUCTIONS:

1. Follow the SP: 46-2003 codes. (with first angle method)
 2. Both the questions are compulsory.
 3. Use both side of the drawing sheet, if necessary
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1. A Square prism of base side 30 mm and axis length 60 mm is resting on HP on one of its base, with a base side inclined at 25° to VP. It is cut by a section plane inclined at 40° to HP and perpendicular to VP and bisecting the axis of the prism. Draw its front view, sectional top view.
 2. A right regular pentagonal prism, side of base 32 mm and height 65 mm rests on its base on the HP, with one of its base edges is inclined at 30° to the VP. A section plane perpendicular to the VP and inclined at 50° to the HP cuts the axis at a point 45mm from the base. Draw the following views of the prism. I) Front view II) Sectional top view III) True shape of the section

*****END OF THE QUESTION PAPER*****

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1. A triangular prism of base 50 mm side and axis 66 mm long has its base on the ground and its one rectangular face is parallel to VP. It is cut by a plane perpendicular to VP, inclined 60° to HP and passing through a point on the axis 20 mm below the top end. Draw the front view, sectional top view
 2. A right regular pentagonal prism, side of base 32 mm and height 65 mm rests on its base on the HP, with one of its base edges is inclined at 30° to the VP. A section plane perpendicular to the VP and inclined at 50° to the HP cuts the axis at a point 45mm from the base. Draw the following views of the prism. I) Front view II) Sectional top view III) True shape of the section

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