

ROLL NUMBER

SET

A



INDIAN SCHOOL MUSCAT

FIRST PERIODIC TEST

ENGINEERING GRAPHICS

CLASS: XI

Sub.Code: 046

Time Allotted: 50mts.

12 .09.2022

Max .Marks: 20

GENERAL INSTRUCTIONS:

- i) Attempt all the questions.
- ii) Follow the SP: 46-2003 codes. (with first angle method)
- iii) Missing and mismatching dimension if any may be assumed suitably.
- iv) All dimensions are in millimeters.
- v) Use both side of the drawing sheet, if necessary.

1.	Inscribe a pentagon in a circle of diameter 50 mm.	5
2.	Construct a triangle, given perimeter = 100 mm. Ratio of sides = 3:2:4.	5
3.	Inscribe 4 equal circles in a regular octagon of side 30 mm, each circle to touch two sides of the octagon and other two circles.	5
4.	Inscribe a semicircle in a square of side 50 mm.	5

(Signature)

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SET B



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12.09.2022

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GENERAL INSTRUCTIONS:

- i) Attempt all the questions.
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1.	Construct a triangle, given perimeter = 100 mm. Ratio of sides = 2:3:4.	5
2.	Construct a rhomboid given the diagonals = 80 mm and 50 mm. Angle between the diagonals = 60°.	5
3.	Inscribe three equal circles in a regular hexagon of 40 mm side, each circle touching a side of the hexagon and other two circles.	5
4.	Inscribe a semicircle in an isosceles triangle of base 50 mm and side 80 mm.	5

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SET C



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12.09.2022

Max .Marks: 20

GENERAL INSTRUCTIONS:

- i) Attempt all the questions.
- ii) Follow the SP: 46-2003 codes. (with first angle method)
- iii) Missing and mismatching dimension if any may be assumed suitably.
- iv) All dimensions are in millimeters.
- v) Use both side of the drawing sheet, if necessary.

1.	Construct a right angled triangle with hypotenuse 60 mm and one side 20 mm.	5
2.	Construct a rectangle given the diagonal = 80 mm and angle between the diagonals = 60°.	5
3.	Inscribe three equal circles in a circle of diameter 70 mm.	5
4.	Inscribe a semicircle in a square of side 50 mm.	5