



INDIAN SCHOOL MUSCAT

FIRST PERIODIC TEST

ENGINEERING GRAPHICS

CLASS: XI

Sub. Code: 046

Time Allotted: 50mts.

18.05.2023

Max .Marks: 20

GENERAL INSTRUCTIONS:

1. All Questions are compulsory.
2. Use both the sides of the question paper .
3. Neatness and accuracy will be duly awarded.

1. Construct an isosceles triangle ABC having its perimeter $EF = 80$ mm and its altitude $AD = 27$ mm 4
2. Construct a rectangle of diagonal 75 mm and one of the sides 30 mm. 3
3. Draw a square and pentagon, upon a common base side of 30 mm 4
4. Inscribe a circle in a trapezium of sides 50 mm and 30 mm, longer diagonal = 60 mm. 3
5. Inscribe 5 equal circles in a regular pentagon of side 40 mm circles to touch one side of the pentagon and other two circles 6

ROLL NUMBER

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GENERAL INSTRUCTIONS:

1. All Questions are compulsory.
2. Use both the sides of the question paper .
3. Neatness and accuracy will be duly awarded.

1. Construct a rectangle given the diagonal = 80 mm and angle between the diagonals = 60° 3
2. Construct an isosceles triangle ABC having its perimeter EF = 80 mm and its altitude AD = 27 mm 4
3. Draw a square and pentagon, upon a common base side of 30 mm 4
4. Inscribe a circle in an equilateral triangle of side 40 mm. 3
5. Inscribe 5 equal circles in a regular pentagon of side 40 mm, each circle to touch two sides of the pentagon and other two circles. 6

