NAME :

CLASS & SEC. :

STD – 9 – MATHS – ONE MARK

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MENSURATION

The most beautiful plane figure is the circle and the most beautiful solid figure is the sphere. - *Pythagoras.*

Multiple choice questions

1. The semi-perimeter of a triangle having sides 15 cm, 20 cm and 25 cm is
   (1) 60 cm (2) 45 cm (3) 30 cm (4) 15 cm

2. If the sides of a triangle are 3 cm, 4 cm and 5 cm, then the area is
   (1) 3 cm^2 (2) 6 cm^2 (3) 9 cm^2 (4) 12 cm^2

3. The perimeter of an equilateral triangle is 30 cm. The area is
   (1) $10\sqrt{3}\ cm^2$ (2) $12\sqrt{3}\ cm^2$ (3) $15\sqrt{3}\ cm^2$ (4) $25\sqrt{3}\ cm^2$

4. The lateral surface area of a cube of side 12 cm is
   (1) 144 cm^2 (2) 196 cm^2 (3) 576 cm^2 (4) 664 cm^2

5. If the lateral surface area of a cube is 600 cm^2, then the total surface area is
   (1) 150 cm^2 (2) 400 cm^2 (3) 900 cm^2 (4) 1350 cm^2

6. The total surface area of a cuboid with dimension 10 $cm \times 6\ cm \times 5\ cm$ is
   (1) 280 cm^2 (2) 300 cm^2 (3) 360 cm^2 (4) 600 cm^2

7. If the ratio of the sides of two cubes are 2:3, then ratio of their surface areas will be
   (1) 4:6 (2) 4:9 (3) 6:9 (4) 16:36

8. The volume of a cuboid is 660 cm^3 and the area of the base is 33 cm^2. Its height is
   (1) 10 cm (2) 12 cm (3) 20 cm (4) 22 cm

9. The capacity of a water tank of dimensions 10 $m \times 5\ m \times 1.5\ m$ is
   (1) 75 litres (2) 750 litres (3) 7500 litres (4) 75000 litres

10. The number of bricks each measuring 50 $cm \times 30\ cm \times 20\ cm$ that will be required to build a wall whose dimensions are 5 $m \times 3\ m \times 2\ m$ is
    (1) 1000 (2) 2000 (3) 3000 (4) 5000

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LIVEWORKSHEETS