PRACTICE PAPER (MCQ) — CBSE-7th

Subject: - Mathematics
Topic: - Perimeter and Area

1. The area of a rectangle is 360 cm^2, which is equal to 90% of the area of square. What is each side of a square? **Ans. (a)**

a) 20 cm b) 15 cm c) 40 cm d) 25 cm

2. A field in the form of parallelogram has base 15 dam and its altitude 8 dam. Find the cost of watering the field at 10 paisa per metre square? **Ans. (c)**

a) ₹12000 b) ₹120 c) ₹1200 d) ₹1120

3. A right angled triangle has the largest side as 13 cm and one of the sides containing the right angle as 12 cm. It area in cm^2 is: - **Ans. (a)**

a) 30 b) 39 c) 80 d) 78

4. The area of a right angled triangle is 40 times its base. What is its height? **Ans. (c)**

a) 45 cm b) 60 cm c) 80 cm d) 20 cm

5. A wire is in the form of a semi – circle of 7 cm radius. The length of the wire will be: **Ans. (b)**

a) 25 cm b) 36 cm c) 5 cm d) 39 cm

6. A man runs round a circular field of radius 50 metre at a speed of 12 km per hour. What time is taken by the man to make 20 rounds of the field? **Ans. (d)**

a) 30 minutes b) 32 minutes c) 34 minutes d) $31\frac{3}{7}$ minutes

7. A rope by which a calf is tied is increased from 12 metre to 23 metre. How much additional grassy ground shall it graze? **Ans. (c)**

a) 1120 m^2 b) 1250 m^2 c) 1210 m^2 d) 1200 m^2

8. If the area of a triangle whose base is 22 cm is equal to the area of a circle of radius 7 cm. Find the height of the triangle? **Ans. (c)**

a) 10 cm b) 22 cm c) 14 cm d) 18 cm

9. The circumference of a quadrant of a circle with radius are $= \frac{\pi r}{2} + 2r$. True or False. **Ans. True**

10. the area of the rectangular lawn is $\frac{5}{16}$ hectare. The ratio of the base : height is 1 : 5. The height of the lawn is: - **Ans. (d)**

a) 5 m b) 20 m c) 30 m d) 125 m