

VII - Mathematics Assignment No-08- Perimeter and AreaM. C. Q.

- Q1. The perimeter of a \triangle of side 12.3, 13.3, 10.4 cm is
 (i) 36cm (ii) 18cm (iii) 35cm (iv) 17cm.
- Q2. The perimeter of a rectangle of side 17.5 cm and 10.3 cm is
 (i) 27.8 cm (ii) 26.8 cm (iii) 55.6 cm (iv) 54.6 cm
- Q3. The perimeter of square of side 3.2 cm is
 (i) 12.7 cm (ii) 12.6 cm (iii) 12.8 cm (iv) 12.9 cm
- Q4. If the perimeter of an equilateral triangle is 18 cm then its area is
 (i) $\frac{\sqrt{3}}{4} \times 5 \text{ cm}^2$ (ii) $9\sqrt{3} \text{ cm}^2$ (iii) $10\sqrt{3} \text{ cm}^2$ (iv) $12\sqrt{3} \text{ cm}^2$
- Q5. If the length of a rectangle is $(2x+3)$ cm and width is $(2x+1)$ cm, and if the perimeter of rectangle is 168 cm then its area is
 (i) 1763 cm^2 (ii) 1764 cm^2 (iii) 1765 cm^2 (iv) 1766 cm^2

Cont Pg-2

Q6. If the area of a Δ is 16 cm^2 and its base is 8 cm . Then its height is
 (i) 7 cm (ii) 6 cm (iii) 5 cm (iv) 4 cm .

Q7. The area of an isosceles Δ of base 6 unit and each congruent side is a unit is

- (i) $\frac{b}{2} \sqrt{4a^2-b^2}$ (ii) $\frac{b}{4} \sqrt{4a^2-b^2}$ (iii) $\frac{b}{8} \sqrt{4a^2-b^2}$
 (iv) none of these

Q8. The perimeter of a Δ is 36 cm . If its sides are $(x+1)$, $(x+2)$, $(x+3)$ cm. Find the value of x and is

- (i) 13 (ii) 12 (iii) 11 (iv) 10

Q9. The Circumference of a circle of diameter 10 cm is

- (i) 31.42 cm (ii) 31.52 cm (iii) 30.42 cm (iv) 30.52 cm

(Q10) If the circumference of a circle 64 cm then its area is

- (i) 164 cm^2 (ii) 144 cm^2 (iii) 154 cm^2 (iv) 134 cm^2

Q11 A road roller of radius 1.4 cm makes 10 revolutions. The total distance covered by it

- (i) 78 cm (ii) 88 cm (iii) 98 cm (iv) 108 cm.

Q12 If the area of a circle is 1386 cm^2 then its radius is

- (i) 21 cm (ii) 22 cm (iii) 23 cm (iv) 24 cm.

Q13. The area of a nm with base 12 cm and corresponding altitude is 8 cm is

- (i) 84 cm^2 (ii) 96 cm^2 (iii) 48 cm^2 (iv) 62 cm^2

Q14. If the area of nm is 5760 m^2 and its base 80 m then its height is

- (i) 72 m (ii) 62 m (iii) 82 m (iv) 45 m

Q15. The nm ABCD has base AB as 15 cm and altitude on it is 8 cm. If AD = 10 cm. Find its corresponding altitude

- ANSWERS: (i) 10 cm (ii) 11 cm (iii) 12 cm (iv) 14 cm.

(Q1) (i)	(Q5) (i)	(Q9) (i)	(Q13) (iv)
(Q2) (iii)	(Q6) (iv)	(Q10) (iii)	(Q14) (i)
(Q3) (iii)	(Q7) (ii)	(Q11) (ii)	(Q15) (iii)
(Q4) (ii)	(Q8) (iv)	(Q12) (i)	