Q.1.   The perimeter of regular polygon is

(a)   no. of sides × lengths of one side   (b)   no. of sides + lengths of one side
(c)   no. of sides – lengths of one side   (d)   no. of sides ÷ lengths of one side

Q.2.   If the area of rectangle increases from 2 cm^2 to 4 cm^2 the perimeter will

(a)   increase   (b)   decrease   (c)   remains same   (d) none of these

Q.3.   The area of a square whose perimeter is 4 m

(a)   1 m^2 (b)   4 m^2 (c)   2 m^2 (d)   3 m^2

Q.4.   Which figure encloses more area : a square of side 2 cm ; a rectangle of side 3 cm &
2 cm ;An equilateral triangle of side 4 cm
(a) rectangle   (b) square   (c) triangle   (d) same of rectangle & square

Q.5.   The area of rectangle whose length is 15 cm & breadth is 6 m

(a)   9000 cm^2 (b)   90 cm^2 (c)   9 cm^2 (d)   900 cm^2

Q.6.   In the figure $\triangle ABC$ is isosceles AE = 6 cm , BC = 9 cm, the area of $\triangle ABC$ is

(a)   27 cm^2 (b)   54 cm^2 (c)   22.5 cm^2 (d) 45 cm^2

Q.7.   The area of parallelogram is

(a)   base + height   (b) base × height   (c)   base × base   (d)   height× height

Q.8.   The base in the area of parallelogram is

(a) $\dfrac{area}{height}$ (b) $\dfrac{height}{area}$ (c)   area × base   (d)   area × height

Q.9.   The height in the area of parallelogram is

(a) $\dfrac{base}{area}$ (b) $\dfrac{area}{base}$ (c)   area × base   (d)   area × height

Q.10. Which of the following has the formula Base × Height

(a)   area of parallelogram   (b) area of quadrilateral
(c)   area of triangle   (d) area of trapezium

Q.11. The area of triangle is

(a)   base × height   (b) ½ x base × height

(c)   ½ × (base + height)   (d)   base + height

Q.12. The height in the area of a triangle

(a) $\dfrac{2\ area}{base}$ (b) $\dfrac{2\ base}{area}$ (c) $\dfrac{area}{2\ base}$ (d) $\dfrac{base}{2\ area}$

Q.13. If the area of the triangle is 36 cm² and the height is 3 cm, the base of the triangle will be

(a)   12 cm   (b)   39 cm   (c)   108 cm   (d)   24 cm

Q.14. The base in the area of triangle is

(a) $\dfrac{area}{2\ height}$ (b) $\dfrac{2\ area}{height}$ (c) $\dfrac{2\ height}{area}$ (d) $\dfrac{height}{2\ area}$

Q.15. The distance around a circular region is known as its

(a) area   (b) diameter of circle   (c) circumference   (d) radius

Q.16. The perimeter of square of side 2.5 m is

(a)   10.2 m   (b)   10.2 m²   (c)   6.25 m²   (d)   6.25 m

Q.17. The perimeter of rectangle of length 1.5 cm & breadth 2 cm is

(a)   3.4 cm   (b)   7 cm   (c)   6 cm   (d)   3.5 cm

Q.18. The area of parallelogram whose base 6 cm & altitude 7 cm is

(a)   18 cm²   (b)   18 cm   (c)   9 cm²   (d)   9 cm

Q.19. The height of parallelogram whose area is 35 cm² and altitude 7 cm

(a)   5 cm   (b)   5 cm²   (c)   245 cm   (d)   245 cm²

Q.20. In fig. the length of the altitude DF will be

(a)   14 cm   (b)   56 cm   (c)   8 cm   (d)   14 cm²
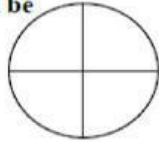
Q.21. In fig. area of $\blacksquare gm$ will be

(a) $(8 \times 2)\ cm^2$ (b) $(3 \times 2)\ cm^2$ (c) $(8 \times 42)\ cm^2$ (d) $(8 \times 3)\ cm^2$

Q.22. Area of triangle whose base is 15 cm and corresponding altitude is 6 cm will be

(a)   45 cm²   (b)   90 cm²   (c)   45 cm   (d)   90 cm

Q.23. Find the area of a right triangle whose base is 3 cm, perpendicular is 2 cm and

hypotenuse is 5 cm.

(a)   3 cm²   (b)   7.5 cm²   (c)   5 cm²   (d)   6 cm

Q.24.   **What will be the area of circular button of radius 7 cm**

(a)   154 cm²   (b)   49 cm²   (c)   154 cm   (d)   3.14 x 7 cm²

Q.25.   **The circumference of circle whose diameter is 14 cm will be**

(a)   44 cm   (b)   88 cm   (c)   44 cm²   (d)   88 cm²

Q.26.   **The perimeter of circle is its**

(a)   area   (b)   circumference (c)   radius   (d)   diameter

Q.27.   **Diameter is _____ .**

(a)   twice radius   (b) half radius   (c) equal to radius   (d)   one-third of radius

Q.28.   **л (pi) is**

(a)   ratio of circumference to diameter   (b) diameter to circumference

(c)   21/17   (d)   3.41

Q.29.   **If the area of circle is 44 cm² , the are of shaded portion will be**

(a)   11 cm²   (b) 11 cm

(c)   22 cm²   (d) 22 cm²

Q.30.   **If the radius of pipe is 1 cm , the circumference of pipe will be**

(a)   62.8 cm   (b) 6.28 cm   (c)   62.8 cm²   (d) 6.28 cm

Q.31.   **The circumference of a circle is**

(a)   л × r   (b)   л × r²   (c)   л × 2r   (d)   л + 2r

Q.32.   **The diameter of a circle is**

(a)   r²   (b)   2r   (c)   2 л r³   (d)   л r²

Q.33.   **Which of the following is an example of circle?**

(a)   a chair   (b)   a bottle cap   (c)   a cup   (d)   a table

Q.34.   **The area of a circle is**

(a)   2 л r   (b)   2 л r²   (c)   л r²   (d)   л d

Q.35.   **1 m²   = _____ .**

(a)   100 cm²   (b)   1000 cm²   (c)   10000 m²   (d)   10000 cm²

Q.36.   One hectare is equal to

    (a) $100 \, m^2$ (b) $1000 \, m^2$ (c) $10{,}000 \, m^2$ (d) $10{,}000 \, m$

Q.37.   The circumference of a circle with radius 7 cm is

    (a)   11 cm   (b)   22 cm   (c)   44 cm   (d)   49 cm

Q.38.   The value of constant л is

    (a)   31.4   (b) $\dfrac{22}{7}$ (c) $\dfrac{7}{22}$ (d)   314

Q.39.   In fig. the area of larger rectangle is $1750 \, m^2$ and the area   of smaller rectangle is $1350 \, m^2$

    (a) $3100 \, m^2$ (b) $400 \, m^2$ (c) $750 \, m^2$ (d) $350 \, m^2$

Q.40.   In fig., the area of rectangular sheet is $50 \, cm^2$ and the area of circle inside the sheet is

    $15 \, cm^2$ cut from the sheet, then the area of remaining sheet will be

    (a) $35 \, cm^2$ (b) $65 \, cm^2$ (c)   35 cm   (d)   65 cm

ANALYSE YOUR PERFORMANCE

QUESTIONS	TALLY MARKS	REVISE THESE CONCEPTS
1, 3, 7, 8, 9, 11, 12, 14, 27, 31, 34		**Knowledge of formulae**
15, 26, 28, 32, 36, 38		**Concept of terms**
2, 4, 6, 10, 21, 23, 24, 29, 33, 35, 39, 40		**Understanding of concepts**
5, 13, 16, 17, 18, 19, 20, 22, 24, 30, 37		**Applications**