

1. Find the value of $\sqrt{144}$
2. Write the degree of the polynomial $5x^3 - 2x + 7$
3. If $a=3$ and $b=4$ find $a^2 + b^2$
4. Find the value of 7^0
5. Write the formula for the area of a triangle
6. Is zero a rational number
7. Write one example for irrational number?
8. Find the value of $\sqrt{169}$
9. Solve: $4(x - 3) = 2x + 6$
10. Find the CSA and volume of the right circular cone of radius 7cm and height 24cm

SECTION -B

11. Find the value of $3x + 5$ where $x=-2$
12. Factorise : $x^2 - 9$
13. Find the area of a rectangle whose length is 8 cm and breadth is 5cm ?
14. Solve $2x - 7 = 9$
15. Write the coordinates of a point lying on the y-axis ?
16. Find the value of $\frac{3}{4} + \frac{5}{8}$
17. If the perimeter of square is 36cm find its side ?
18. Find the value of $\sqrt{81} - \sqrt{25}$
19. Write the formula for the volume of a cube
20. Find the product of $2a$ and $3a^2$

SECTION – C

21. solve the following linear equation $3(x - 2) = 2x + 5$
22. factorise completely $x^2 + 7x + 10$
23. find the area of a triangle whose base is 12cm and height is 7cm.
24. find the coordinates of the point which divides the line joining $A(2 - 2)$ and $B(6,4)$ internally in the ratio 1:1
25. Simplify $\frac{\frac{2}{3}x + 9}{4} - 1/2$
26. Find the volume of a cube whose side is 5cm
27. The angles of triangle are in the ratio 2:3:4 Find the angle
28. Find the value $3x - 2^2$
29. Find the perimeter of a semicircle of radius 7cm
30. Solve : $5x + 3 = 2x + 18$

SECTION -D

31. prove that the sum of the angle of a triangle is 180°
32. Find the area of a trapezium whose parallel side are 10cm and 14cm and distance between them is 6cm
33. Find the volume and CSA of a right circular cylinder radi