

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

#### SECTION -B

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

#### SECTION - C

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

#### SECTION -D

- rove that the sum of the angle of a triangle is  $180^\circ$
- Find the area of a trapezium whose parallel side are 10cm and 14cm and distance between them is 6cm
- Find the volume and CSA of a right circular cylinder radi