SECTION-A $1 \times 6 = 6$

1. The hour hand of a clock is 4.5 cm long. What distance does its trip cover in 12 hours?
2. Find the area of a square park whose perimeter is 320 m?
3. What is the value of the ratio of circumference of a circle to its diameter?
4. Find the circumference of the semicircular region with diameter 10 cm.
5. How many square centimeters make 1 square meter?
6. Write the formula to find the area and perimeter of a rectangle.

SECTION-B $5 \times 2 = 10$

1. A wire bent in a shape of rectangle. Its length is 30 cm and breadth are 15 cm and if the same wire is rebent in the shape of a square. What will be the measure of slides and which encloses more area?
2. Find the distance covered by the wheel of a truck in 100 rotations if the diameter of the wheel is 49 cm.
3. Find the ratio of radii of wo circles whose circumference are in the ratio 2:5.
4. A path 2 m wide is running around a square field where side is 45m. determine the path.
5. A square of side 5 cm is divided into four triangles by its diagonals. What is the area of each triangle?

SECTION-C $4 \times 3 = 12$

1. The longer side of a parallelogram is 81 cm and the corresponding altitude is 16 cm. if the length of shorter side is 24 cm. what is the altitude corresponding to shorter side?
2. ΔABC is isosceles with $AB = AC = 5.5\,cm$, $BC = 8\,cm$. What will be the height from C to AB? If the height AD from A to BC is 4.5 cm. find the area of ΔABC.
3. Two sides of the parallelogram ABCD are 12 cm and 8 cm. the height corresponding to vase CD is 6 cm. find
   a. Area of parallelogram
   b. Height corresponding to vase AD.
4. Two cross road each 3m wide, cut at right angles through the center of a rectangular park 72m by 56 m such that each is parallel to one of the sides of the rectangle. Find the area of the remaining portion of the park?

SECTION-D $3 \times 4 = 12$

1. The area of a parallelogram and a square are the same. If the perimeter of the square is 160 m and height of the parallelogram is 20m, find the length of corresponding base of the parallelogram.
2. A school campus is rectangular in shape. Its length and breadth are 50m and 30m, there is a 2m wide path inside the campus all around it. Find the area of the path in square meters?
3. Two circular pieces of diameter 2 cm and 3 cm are cut from a rectangular sheet of length 6 cm and width 3cm. find the remaining area of the rectangular sheet.