ASSIGNMENT NO. 11

 CHAPTER – PERIMETER & AREA

 CLASS- VII SUBJECT MATHS

Q1. A circular radar screen has a circumference of 176 cm. Only 90% of its area is effective. Calculate the effective area of the screen.

Q2. The perimeter of square is 26cm. find

 a) The length of a side

 b) Area of the square.

Q3. A wire is in the shape of a square of side 10cm. If the wire is rebent into a

 rectangle of length 12cm, find its breadth. Which shape encloses more area and

 by how much?

Q4. A rectangular lawn is 15cm long and 9cm wide. It has a path 1.5cm wide all

 around it. Find the area of the path.

Q5. If the base of a right-angled triangle is 6 units and the hypotenuse is 10 units,

 find its area.

Q6. Find the circumference and the area of a circular disc of radius 14cm.

 (Take = 22/7)

Q7. The minute hand of a tower clock is 1.4cm long. How far does the tip of the hand

 move in 1hour?

Q8. A circular fish pond has a diameter 14cm. The pond is surrounded by a concrete

 path 1.75cm wide. Find the area of the path. (Take =22/7)

Q9. If the base of a triangle is doubled and its height is halved, then the area of the

 resulting triangle :-

1. Decrease b) Increase c) Doubles d) Remains same

Q10. True / False :-

1. A diagonal of rectangle divides it into two right angled triangles of equal areas.
2. If perimeter of two parallelograms are equal, then their areas are also equal.
3. Area of a parallelogram = product of two lengths of its two adjacent sides.

Q11. Fill in the blanks:-

 i) Perimeter of a regular polygon =\_\_\_\_\_\_\_ x length of a side.

 ii) The perimeter of a rhombus = 4 x \_\_\_\_\_\_\_\_.

 iii) An area of 1km2 = \_\_\_\_\_\_\_\_ hectare.

 iv) The ratio of circumference to the diameter of a circle is \_\_\_\_\_\_