ST. LAWRENCE HIGH SCHOOL

TOPIC –Circumference of Circle

Subject : Mathematics   **Class-9   Second termF. M. 15**

WORKSHEET NO. - 4   **SolutionsDate: 28.06.21**

Q.1)   Choose the correct option: **(1x15=15)**

i) The ratio of velocity of hour's hand and minute's hand at a clock is
  a)1 : 12

ii) Soma takes $\frac{\pi x}{100}$ minute to go one complete round of a circular path. Some will take time for going round the park diametrically
b)$\frac{x}{100}$mtr

iii) A circle is inscribed by a square. The length of side of square is 10 cm. The length of diameter of circle is
  a)10 cm

iv) A circle circumscribes a square. The length of side of square is 5 cm. The length of diameter of circle is
a)$5\sqrt{2}$cm

v)A circular ring is 5 cm wide. The difference of outer and inner radius is
a)5 cm

vi) The difference of circumference and diameter of a circle is p unit. Then the diameter of the circle will be
  b)$\frac{p}{\pi-1}$unit

vii)If a wire is bentin the form of a circle its diameter becomes 84 cm. If the wire is bent into a square, then the length of its side will be
d)66 cm

viii) The radius of the circumcircle of a right angled triangle is 2.5 cm. The length of the perpendicular on the hypotenuse is 2 cm. Then the area of the right angles triangle is
  b) 5 sq.cm

ix)The ratio of perimeter and diameter of a semi circle is
  d)$(\pi + 2)$:2

x) To make a circular ring of radius 35 m. The length of the wire required is _____
  c) 220 m

xi)The perimeter of a semi circular field is 108 mtrs. The diameter of the field will be _____
b)42 m

xii)The difference of circumference and diameter of a wheel is 75 cm. The radius of the wheel will be _____
a) 17.5 cm

xiii)Ram bent a copper wire in a rectangle whose length is 18 cm and breadth 15 cm. Shyam bent this wire in the form of a circle. The radius of the copper wire will be
d) 10.5 cm

xiv) If the circumference of a circular park is 44 metres, then its area will be _____-
  d)154 sq.m

xv) A square is drawn inside a circle. If the diagonal of the square is 14 cm, then the area of the square will be ___
c) 98. sq.cm

-ChaitaliRoy