PH: 9835859669 TesT paper CLASS 10TH

JSUNIL TUTORIAL

PUNJABI COLONY GALI 01

Mensuration x

2 MARKS QUESTIONS

Q1. If the perimeter of a semicircular protractor is 72 m, find the radius of protractor

Q2. Find the area of a right angled triangle if the radius of its circum circle is 3 cm and altitude drawn to the hypotenuse is 2 cm.

Q3. The length of the rectangle is twice its breadth. If the perimeter of the rectangle is 16 m find the area

Q4. The lawn of the rectangle has sides in the ratio of 4:5. The cost of cutting the grass is at Rs. 5.80 per square metre is Rs. 1276. Find the cost of fencing the lawn at Rs. 4.30 per meter.

Q5. A paper is in the form of a square of side 28 m. Two semicircular portions with BC and AD as diameter is cut off. Find the area of the remaining paper.

Q6. The radius and height of a cylinder are in the ratio 3:4 and its curved surface area is 2112/7 cm^2. Find its height.

Q7. The radius and vertical height of a cone are in the ratio, 3:4. Its slant height is 5 cm. Find its curved area.

Q8. If one diagonal of a rhombus is 4 cm and its one side is □5 cm, find the area and perimeter of the rhombus.

Q9. An aluminum wire when bent into the form of a square encloses an area of 441 cm^2. If the same wire is bent into the form of an equilateral triangle, find the area of the triangle.

Q10. Find the area of a regular decagon whose one side is 20cm. Given $\tan 72^o = 3.077$.

Q11. If the perimeter of the semicircle is 36 m, find the area of the circle.

Q12. If the length of the rectangle is increased by 20% and breadth is increased by 10%, find the percentage increase in the area.

Q13. Find the length of the diagonal of a square in meter whose area is 0.8 hectare.

Q14. The area of the parallelogram is 48 m^2. If the base is thrice the altitude, find the base and altitude.

Q15. A rectangular plot is 1.5 times as long as it is broad and its area is 2/3 hectare. Find the length of the plot.