

\*

**SECOND MID TERM TEST - 2024****Standard - VII****Time: 1.30 hrs****MATHS****Marks:50****I Choose the correct answer:****10x1=10**

- To convert grams into kilograms, we have to divide it 6.  
a) 10000                      b) 1000                      c) 100                      d) 10
- $\frac{3}{5} = \underline{\hspace{2cm}}$   
a) 0.06                      b) 0.006                      c) 6                      d) 0.6
- $37.70 \square 37.7$   
a) =                      b) <                      c) >                      d)  $\neq$
- Between which two whole numbers 1.7 lie?  
a) 2 and 3                      b) 3 and 4                      c) 1 and 2                      d) 1 and 7
- The decimal representation of 30kg and 43g is             
a) 30.43                      b) 30.430                      c) 30.043                      d) 30.0043
- In the formula,  $C=2\pi r$ , 'r' refers to  
a) circumference                      b) area                      c) rotation                      d) radius
- The area of the circle =            sq.units.  
a)  $4\pi r^2$                       b)  $\pi r^2$                       c)  $2\pi r^2$                       d)  $\pi r^2+2r$
- The formula to find the width of the circular point.  
a) (L-l) units                      b) (B-b) units                      c) (R-r) units                      d) (r-R) units
- One of the angles of a triangle is  $65^\circ$ . If the difference of the other two angles is  $45^\circ$ , then two angles are  
a)  $85^\circ, 40^\circ$                       b)  $70^\circ, 25^\circ$                       c)  $80^\circ, 35^\circ$                       d)  $80^\circ, 135^\circ$
- The angles of a triangle are in the ratio 2:3:4. Then the angles are  
a)  $20^\circ, 30^\circ, 40^\circ$                       b)  $40^\circ, 60^\circ, 80^\circ$                       c)  $80^\circ, 20^\circ, 80^\circ$                       d)  $10^\circ, 15^\circ, 20^\circ$

**II Fill in the blanks****5x1=5**11. The simplest form of 0.35 is           

12.  $3 + \frac{4}{100} + \frac{9}{1000} = \underline{\hspace{2cm}}$

13.  $78.56 \square 78.57$ 14. Area of a circle of radius 'n' units is           15. The sum of three angles in a triangle is           **III Match the following:****5x1=5**16. 28 m                      -                       $\pi r^2$  sq.units17.  $\frac{5}{100}$                       -                       $90^\circ$ 

18. Area of a circle                      -                      0.028 km

(2)

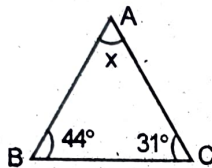
VII Maths

19. Width of the circular path - - 0.05  
 20. Right angle - - R - r

IV Answer any five of the following:-

5x2=10

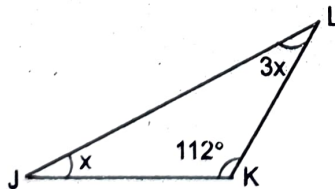
21. Convert 43cm into metres using decimals.  
 22. Convert  $3\frac{1}{2}$  fraction into decimal numbers.  
 23. Find the smaller decimal number in 7.01, 7.3.  
 24. What is the circumference of the circular disc of radius 14cm?  
 25. Find the area of the dining table whose diameter is 105m.  
 26. Can  $80^\circ$ ,  $70^\circ$  &  $50^\circ$  be the angles of a triangle?  
 27. Find the measure of the missing angle in the given triangle ABC.



V Answer any five of the following questions:

5x3=15

28. Mark 2.1 decimal numbers on the number line.  
 29. Arrange the following in descending order  
 17.35, 71.53, 51.73, 73.51, 37.51  
 30. Express the following decimals as fractions in lowest form i) 2.34 ii) 0.18  
 31. Find the area of a hula loop whose diameter is 20cm. (use  $\pi = \frac{22}{7}$ )  
 32. A picture of length 23cm and breadth 11cm is painted on a chart, such that there is a margin of 3cm along each of its sides. Find the total area of the margin.  
 33. Find the value of x.



34. If the three angles of a triangle are in the ratio 3:5:4, then find them.

VI Answer any one of the following questions:

1x5=5

35. Construct a triangle xyz with the given conditions.  
 $xy = 6\text{cm}$ ,  $y=5.5\text{ cm}$  &  $zx=5\text{cm}$   
 36. Construct a triangle ABC with given conditions.  
 $BC = 8\text{ cm}$ ,  $AC = 6\text{ cm}$  &  $\angle C = 40^\circ$

(Or)

\*\*\*/\*\*