

Standard - VII

MATHS

Time: 1.30 hrs

Marks:50

I Choose the correct answer:

10x1=10

1. The place value of 3 in 85 073 is _____
i) tenths ii) hundredths iii) thousands iv) thousandths
2. $3 + \frac{4}{100} + \frac{9}{1000} = ?$
i) 30 49 ii) 3049 iii) 3 0049 iv) 3 049
3. The simplest form of 0.35 is
i) $\frac{35}{1000}$ ii) $\frac{35}{10}$ iii) $\frac{7}{20}$ iv) $\frac{7}{100}$
4. $78\ 56 \square 78\ 57$
i) < ii) > iii) = iv) ≠
5. Between which two whole number 1.7 lie?
i) 2 and 3 ii) 3 and 4 iii) 1 and 2 iv) 1 and 7
6. Formula used to find the circumference of a circle is
i) $2\pi r$ units ii) $\pi r^2 + 2r$ units iii) πr^2 sq. units iv) πr^3 cu. units
7. Area of a circle of radius 'n' units is
i) $2\pi r^2$ sq. units ii) πn^2 sq. units iii) πr^2 sq. units iv) πn^2 sq. units
8. The formula to find the area of the circular path is
i) $\pi(R^2 - r^2)$ sq units ii) πr^2 sq. units iii) $2\pi r^2$ sq. units iv) $\pi r^2 + 2r$ sq units
9. The angles of a triangle are in the ratio 2:3:4. Then the angle are _____
i) 20, 30, 40 ii) 40, 60, 80 iii) 80, 20, 80, iv) 10, 15, 20
10. If two plane figures are congruent then they have
i) same size ii) same shape
iii) same angle iv) same shape and same size

II Fill in the blanks

5x1=5

11. 0.009 is equal to _____
12. $\frac{3^*}{5} =$ _____
13. In the formula, $c=2\pi r$, 'r' refers to _____
14. A triangle has _____ vertices and _____ sides.
15. The sum of exterior angles of a triangle is _____

III Match the following

5x1=5

- | | | |
|--------------------------------------|---|------------------------------------|
| 16. 4 m | - | $l \times b$ sq. units |
| 17. 0.85 | - | πr^2 sq. units |
| 18. $\angle x + \angle y + \angle z$ | - | 0.004 km |
| 19. Area of the rectangle | - | $0 + \frac{8}{10} + \frac{5}{100}$ |
| 20. Area of a circle | - | 180° |

(2)

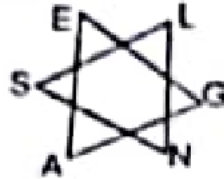
VII Maths
5x2=10

IV Answer any 5 of the following questions:

- 21 The height of a person is 165cm Express this height in metre
22 Write the following as decimal numbers

$$3 + \frac{8}{10} + \frac{4}{100} + \frac{5}{1000}$$

- 23 Find the greater decimal number in 1.2, 2.1
24 Find the circumference of the circle whose radii 49cm
25 Find the area of the dining table whose diameter is 105cm
26 Can 30° , 60° and 90° be the angles of a triangle?
27 Observe the figure and find the value of $\angle A + \angle N + \angle G + \angle L + \angle E + \angle S$



V Answer any 5 of the following questions:

5x3=15

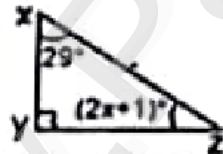
- 28 Express the number given in expanded form in the place value grid. Also write its decimal representation

$$40 + 6 + \frac{7}{10} + \frac{2}{100} + \frac{6}{1000}$$

- 29 Arrange the following in ascending order 123.45, 123.54, 125.43, 125.34, 125.3
30 Express the following decimals as fractions in lowest form i) 2.34 ii) 3.55
31 If the circumference of the circle is 132m. Then calculate the radius and diameter

$$\left(\text{Take } \pi = \frac{22}{7}\right)$$

- 32 A floor is 10m long and 8m wide. A carpet of size 7m long and 5m wide is laid on the floor. Find the area of the floor that is not covered by the carpet.
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:

1x5=5

- 35 Construct a triangle xyz with the given conditions.
 $xy=6.4\text{cm}$, $zy=7.7\text{cm}$ and $xz=5\text{cm}$

(or)

- 36 Construct a triangle ABC with given conditions
 $BC=8\text{cm}$, $AC=6\text{cm}$ and $\angle C=40^\circ$

***p**