

SWAMINARAYAN VIDYAPITH

CLASS VIII

Model Test Paper: 2019-20

Date: _____

MATHEMATICS

Total Max.Marks:25

Time: 30 minutes

Instructions:*Read the questions carefully before you start writing.**Attempt all the questions**Use the back portion of the paper for calculations***Q-1 Fill in the blanks****[3]**

- i. $\frac{5}{2} = \underline{\hspace{2cm}}$ (write in decimal)
- ii. $(-4) \times (-12) \times 2 = \underline{\hspace{2cm}}$
- iii. If $7x + 4 = 25$, then $x = \underline{\hspace{2cm}}$

Q-2 State whether each of the following statements is True or False**[3]**

- i. $\frac{4}{5} = 20\%$ []
- ii. $\frac{2}{3} + \frac{2}{3} = \frac{4}{6}$ []
- iii. 3075 m = 3.075 km []

Q-3 Choose and tick [✓]the correct alternative.**[5]**

- i. Two numbers have a sum of 32.If one of the number is -36.What is the other number
(a) 68 (b) - 4 (c) 4 (d) 72
- ii. 25% Of a = 7 then a = _____
(a) 28 (b) 35 (c) 14 (d) 3.5
- iii. $(3^0 + 4^0) \times 5^2 = \underline{\hspace{2cm}}$ (Using laws of exponents)
(a) 25 (b) 50 (c) 0 (d) 2
- iv. What is the supplementary angle of 80° ?
(a) 10° (b) 100° (c) 80° (d) 0°
- v. The sum of the first 5 prime numbers is
(a) 18 (b) 25 (c) 28 (d) 26

Q-4 Do as directed.

[7x2=14]

- i. The perimeter of a rectangular sheet is 100 cm. If the length is 35 cm, find its breadth. Also find the area of the rectangular sheet.

ii. Solve:

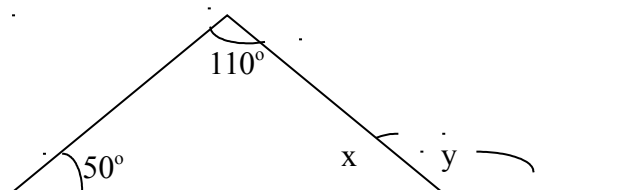
a. $\frac{-25}{49} \times \frac{343}{-625}$

b. $-2\frac{1}{3} + 4\frac{3}{5}$

- iii. Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. What is Laxmi's age?

- iv. Simplify the expression algebraically, and find its value when $a = 5$ and $b = -3$.
 $2(a^2+ab) + 3 - ab$

- v. Find the missing angles x and y .



vi. Solve:

a. 101.01×0.01

b. $7.75 \div 0.25$

vii. Out of total of 200 students, $\frac{3}{5}$ of the students are 7th graders. If the remaining are 6th graders, how many students are there in the 6th grade?

All the best
