

Application no: \_\_\_\_\_

Name: \_\_\_\_\_

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CLASS VIII

Model Test Paper – 2022-23

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**

[5]

- a) The smallest positive integer is \_\_\_\_\_.
- b) If  $\frac{5}{2}x = \frac{25}{4}$  then  $x =$  \_\_\_\_\_.
- c) A triangle has \_\_\_\_\_ medians.
- d) When a die is thrown, the probability of getting 2 is \_\_\_\_\_.
- e)  $3^0 + x^0 + 1 =$  \_\_\_\_\_.

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

[5]

- a) All integers and fractions are rational numbers. [       ]
- b) Area of square = 4 X Side. [       ]
- c) Congruent objects are exact copies of one another. [       ]
- d) A right angled triangle has at least two acute angles. [       ]
- e) A mean of the given data is always one of the numbers. [       ]

**Q-3 Choose and tick  $\sqrt{\quad}$  the correct alternative.**

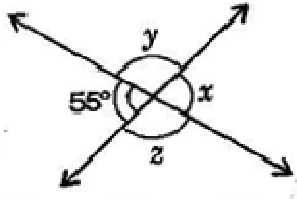
[5]

- a) The circumference of a circular sheet is 44 cm. What will be its radius?  
(i) 7                      (ii) 22                      (iii) 11                      (iv) 88
- b) If  $a=3$  and  $b=2$  then the value of  $(10a-5b)$  is  
(i) 25                      (ii) 20                      (iii) 10                      (iv) 17
- c) The mean of first ten whole numbers is  
(i) 5                      (ii) 4.5                      (iii) 5.5                      (iv) 4
- d) Find the value of  $\left((2)^3\right)^2$   
(i) 128                      (ii) 4                      (iii) 32                      (iv) 64
- e)  $0.00317 =$  \_\_\_\_\_  $\div 100000$   
(i) 317                      (ii) 3170                      (iii) 31.7                      (iv) 31700

**Q-4 Do as directed.**

**[5x2=10]**

(a) Find the unknown angles in the following figures.



(b)(i) Find  $5\frac{3}{2} + 2$

(ii) Find  $\frac{49}{4} \div \frac{7}{16}$

(c) Subtract  $(4pq - 5q^2 - 3p^2)$  from  $(5p^2 + 3q^2 - pq)$ .

d) Simplify  $\frac{3^8 \times b^9}{(9^4) \times b^5}$

e) The perimeter of a rectangle is 50 cm and the length is 10cm. Find the breath and area of the rectangle.