

SWAMINARAYAN VIDYAPITH

CLASS VII

Model Test Paper: 2019-20

Date: _____

Total Max.Marks:25

MATHEMATICS

Time: 30 minutes

Instructions:*Read the questions carefully before you start writing.**Attempt all the questions**Use the back portion of the paper for rough work***Q-1. Fill in the blanks:****[5]**

- a) The sum of $\frac{1}{4}$ and its reciprocal is _____.
- b) The greatest negative integer is _____.
- c) The sum of the smallest natural number and the smallest even prime number is _____.
- d) There are _____ lines of symmetry in a rectangle.
- e) $(-42) \div \underline{\quad} = 6$

Q-2. State whether each of the following statements is TRUE or FALSE**[4]**

- a) $\frac{155}{9} = 12\frac{7}{9}$ []
- b) The sum of interior angles of a triangle is always 180° . []

$\frac{24}{135}$ is the same as $\frac{8}{45}$. []

Q-3. Do as directed**[8x2=16]**

- a) Solve the following by using an **appropriate property**:

1) $32 \times 99 + 1 \times 32$

2) $87 + 25 + 75 + 13$

b) The present age of the son is half of his father; the difference of their ages is 26. What will be the present age of the father?

c) Identify and name the following from the figure below:



- (i) A pair of parallel line segments: _____
- (ii) A pair of adjacent sides of parallelogram : _____
- (iii) A pair of opposite angles of parallelogram: _____
- (iv) A line segment perpendicular on CD: _____

d) (i) A rope is cut in the ratio of 4:5, if the smaller part is 16 cm find the other part.

(ii) Mary travels 20 km 50 m every day. Out of this she travels 15 km 200m by train, and rest by car. How much distance does she travel by car daily?

e) The cost price of an article is Rs. 1500 and it sold for Rs. 1290, find the loss percent.

f) If the perimeter of a square is 96 cm. Find its area.

g) Find the highest common factor of **tenth multiple of 9** and **ninth multiple of 12**.

h) Compute: (i) $\frac{14}{30} - \frac{7}{15}$

(ii) $\frac{1}{3} + \frac{9}{27}$

(iii) $29 + (-15) + 32$

(iv) $(-67) \times (-100)$

