

# HALF YEARLY EXAMINATION, 2024-25

## MATHEMATICS

Time – 3:00 Hrs.

Class – V

M.M. : 80

Date – 17.09.2024 (Tuesday)

Name of the student \_\_\_\_\_ Section \_\_\_\_\_

### GENERAL INSTRUCTIONS:

- Question Paper Structure: The paper is divided into two sections: Section A and Section B.
- Section A:
  - Questions 1 to 4 each carry 1 mark.
  - Question 5 carries 2 marks each.
- Section B:
  - Questions 6 to 13 carry 3 marks each. (option is given for Q.No. 11)
  - Questions 14 to 17 carry 4 marks each. (option is given for Q.No. 16)
  - Questions 18 and 19 carry 5 marks each. (option is given for Q.No. 19)
- Provide complete calculations for questions in Section B.
- Show all required calculations neatly and clearly in the right hand margin.
- Draw neat and clean diagrams wherever needed.

### SECTION - A

**Q1. Fill in the blanks with suitable answers. (5 x 1 = 5)**

- (i) A polygon having 3 sides is called a \_\_\_\_\_.
- (ii) Perimeter of a square with side 10 cm is \_\_\_\_\_ cm.
- (iii) Place value of 4 in 4, 37, 13, 392 is \_\_\_\_\_.
- (iv) There are \_\_\_\_\_ lines of symmetry in the number **8**.
- (v)  $\frac{2}{3}$  of 12 = \_\_\_\_\_.

**Q2. Choose the correct option for the following. (5 x 1 = 5)**

- (i) In a class of 40 students, one – fourth have received Scholar-Badges. How many have received the Scholar- Badges?  
(a) 40                      (b) 30                      (c) 10                      (d) 20
- (ii) An angle measures  $179^\circ$ . What kind of angle is it?  
(a) Acute angle      (b) Obtuse angle      (c) Right angle      (d) Straight angle
- (iii) Three sides of a Triangle are 5 cm, 8 cm and 10 cm. Its Perimeter will be \_\_\_\_\_.  
(a) 20 cm                      (b) 21 cm                      (c) 22 cm                      (d) 23 cm
- (iv) One more than 99,999 is \_\_\_\_\_.  
(a) 1 crore                      (b) 1 lakh                      (c) 10 crore                      (d) 10 lakh
- (v) Which among the given numbers look the same on half-turn?  
(a) 6                      (b) 8                      (c) 4                      (d) 7

**Q3. Write TRUE or FALSE for the given statements.**

**(5 x 1 = 5)**

- (i) If the Numerator is smaller than the denominator, it is a Proper Fraction.
- (ii) Sum of all sides of a shape is called its Area.
- (iii) Predecessor of 9,999 is one thousand.
- (iv) The letter **M** looks same on half turn.
- (v) An angle which measures  $90^{\circ}$  is called a straight angle.

**Q4. Match the following.**

**(5 x 1 = 5)**

- (i) Rotation by  $90^{\circ}$  (a) Like Fraction
- (ii) Complete Angle (b) Side x Side
- (iii) Area of Square (c) One-Fourth turn
- (iv) Successor of 1 Lac (d)  $360^{\circ}$
- (v) Same Denominators (e)  $1,00,000 + 1$

**Q5. Solve these questions.**

**(5 x 2 = 10)**

- (i) Check whether each alphabet has the line of symmetry or not. **(Write Yes or No)**

(a) **E**                      (b) **K**                      (c) **F**                      (d) **C**

- (ii) Write the type of angle formed between the hour and minute hands of the clock for these times.

(a) 01: 00                      (b) 04 : 00                      (c) 03 : 00                      (d) 05 : 00

- (iii) Speed of a Bus is 24 km per hour. How far will it travel in 6 Hours ?
- (iv) A rectangular park is 20 m long and 10 m wide. What is the length of its boundary?
- (v) Convert both of these fractions into improper fractions.

(a)  $5\frac{3}{4}$                       (b)  $2\frac{7}{8}$

**SECTION – B**

**Solve.**

**(8 x 3 =24)**

- Q6. Write any three equivalent fractions for these.

(a)  $\frac{2}{5}$                       (b)  $\frac{3}{7}$

- Q7. Write these numbers in expanded form.

(a) 65,48,13,433                      (b) 99,36,35,844

- Q8. Draw the following angles using Protractor.

(a)  $\angle PQR = 60^{\circ}$                       (b)  $\angle ABC = 180^{\circ}$                       (c)  $\angle MTB = 75^{\circ}$

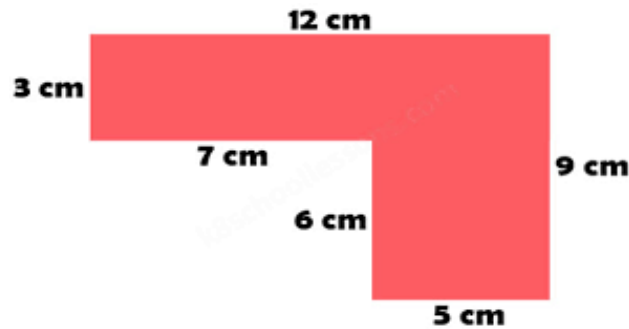
- Q9. Akash spends one – fourth of the day to study and one – third of the day in sleeping. How many hours does he sleep? How many hours does he study?

- Q10. Write any 4 English alphabets which look same on half-turn.

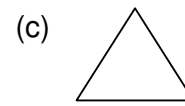
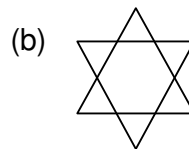
Q11. (a) Ritu makes 4 rounds of a Square shaped field. One side of the field is 32 m. How many meters does Ritu run?

OR

(b) Calculate the perimeter of the given shape. Show your calculation.

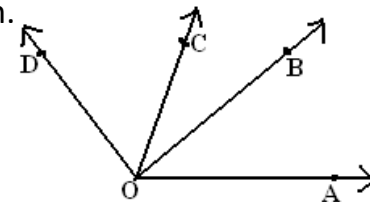


Q12. Draw how the following shapes would look like after  $\frac{1}{4}$  turn.



Q13. Answer the following questions for the given diagram.

- (a) What is the vertex of the angles?
- (b) Write the name of arms of the  $\angle DOA$ .
- (c) Write the name of any two acute angles.



(4×4=16)

Solve.

Q14. Find the missing number for the blanks shown in the table. Show your calculation.

Sr. No	Shape	Length	Breadth	Side	Perimeter	Area
1	Rectangle	12 cm	5 cm	X	_____	_____
2	Square	X	X	12 cm	_____	_____

Q15. Fill in the blanks with the appropriate sign given in the bracket (<, >, =).

- a. Ten Lac \_\_\_\_\_ 1,00,00,000
- b. 65,528 \_\_\_\_\_ Sixty five thousand five hundred twenty eight.
- c. 23,24,750 \_\_\_\_\_ 20,00,000 + 3,24,750
- d. 8,57,328 \_\_\_\_\_ 8,00,000 + 50,000 + 7,000 + 200 + 30 + 8

Q16. a) Draw and write the name of the polygons formed with given number of sides.

- (i) 5 Sides
- (ii) 6 sides

OR

b) Observe the word below and answer the following :

- (i) Total Number of Acute angles = \_\_\_\_\_.
- (ii) Total Number of Obtuse angles = \_\_\_\_\_.



Q17. Shikhar had Rs. 500 to distribute. He gave  $\frac{1}{4}$  to Ravi, and  $\frac{1}{2}$  to Ruchi. He kept the remaining amount himself. Find the amount Shikhar, Ravi and Ruchi have now.

**Solve.**

**(2x5=10)**

Q18. Speed of different boats and catch of fish in one trip by them is given below. Answer the questions.

Type of boat	Catch of fish in one trip (in kg)	Speed of the boat (how far it goes in one hour)
Log boat	20	4 km per hour
Long tail boat	600	12 km per hour
Motor boat	800	20 km per hour

- (a) How much time will it take to travel 12 km by Log boat?  
 (b) How far can a long tail boat travel in 4 hours?  
 (c) Risha makes 3 trips on Log boat and 1 trip on Motor boat. How much fish in total will she have?

Q19. a) Look at the price list given below and answer the following questions:-

List of items	Price in Rs. (Per kg)
Tomato	70
Potato	40
Onion	30
Carrot	50
Gourd	30

- (i) What is the cost of 2 kg carrots?  
 (ii) How much does  $\frac{1}{4}$  kg potatoes cost ?  
 (iii) Siya buys 3 Kg tomatoes and  $2\frac{1}{4}$  kg onions. How much total money will she pay to the shopkeeper?

**OR**

b) Fill in the blanks with the appropriate sign (<, >, =).

(i)  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{7}$

(ii)  $\frac{1}{2}$  \_\_\_\_\_  $\frac{4}{8}$

(iii)  $\frac{3}{4}$  \_\_\_\_\_  $\frac{1}{4}$

(iv) Half of 10 \_\_\_\_\_ Quarter of 20.

