Directorate of Education, GNCT of Delhi
Mid Term Examination Practice Paper
Session: (2025-26)
Class: V
Subject: Mathematics

Duration: 2 hours **Maximum Marks: 50**

General Instructions:

1. **All questions are compulsory.**
2. **There are three sections viz. Section -A, section- B and Section-C.**
3. **The number of marks carried by each question is indicated against it.**

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Section A

Q.1 A fisherwoman, Mini, has the following price list displayed at her stall. **(4x2=8)**

Observe the list and answer the questions below.

Fish Type	Price (per kg)
Sardines	₹ 60
Swordfish	₹ 80
Prawns	₹ 150
Kingfish	₹ 120

1. Gracy wants to buy 3 kg of Prawns. How much will she have to pay?

a) ₹ 50

b) ₹ 150

c) ₹ 300

d) ₹ 450

2. Basheer has ₹100. Which of the following can he afford to buy?

a) 2 kg of Sardines

b) 2 kg of Swordfish

c) 1 kg of Prawns

d) 1 kg of Sardines and 1/2 kg of Swordfish

3. If Mini sells 2 kg of Kingfish and 1 kg of Swordfish, how much money will she earn in total?

a) ₹ 200

b) ₹ 240

c) ₹ 320

d) ₹ 400

4. How much more does 1 kg of Prawns cost than 1 kg of Sardines?

a) ₹ 60

b) ₹ 90
c) ₹ 150
d) ₹ 210

Q.2 Ayan is decorating a rectangular cardboard sheet for a school project. (4x2=8)
The sheet is 10 centimeters long and 8 centimeters wide. He wants to paste square-shaped stickers on it, leaving a 1-centimeter wide border uncovered on all four sides.Now answer the questions below.

1.Find the total area of the border that will remain uncovered by stickers?

a) 12 sq cm
b) 28 sq cm
c) 32 sq cm
d) 48 sq cm

2.What is the perimeter of the inner rectangular area that Ayan will cover with stickers?

a) 48 cm
b) 36 cm
c) 28 cm
d) 14 cm

3. How does the area covered by stickers compare to the area of the uncovered border?

a) The sticker area is larger than the border area.
b) The border area is larger than the sticker area.
c) Both areas are equal.
d) The relationship cannot be determined.

4. Imagine Ayan decides to use larger square stickers, each with a side of 2 cm. How many of these 2 cm stickers would he need to cover the same inner area?

a) 48 stickers
b) 24 stickers
c) 12 stickers
d) 10 stickers

Q.3 Answer the following questions. (4x1=4)

1. Look at the pattern below. What comes next? Draw the next shape in the sequence.

   ↑ → ↓ ← ↑ _____

2. I am a secret number. I am more than 6 tens and less than 7 tens. My ones digit is two less than my tens digit. What number am I? _____

3. Turn the number 48 into a special number (palindrome) by reversing it and adding it to the original number.

OR

I am a secret number between 30 and 40. If you add my two digits together, the sum is 8. What number am I?

_____

4. Look at the pattern below. What is the rule that governs this sequence?

1, 3, 6, 10, 15, _____

OR

Draw a letter in the English alphabet that will look the same after a 1/2 turn?

_____

Section B

Q.4 Match the items in Column A with their correct description in Column B. (5)

Column A	**Column B**
i) Acute Angle	a) An angle that measures exactly 90 degrees.
ii) Obtuse Angle	b) A polygon with 6 sides.
iii) Right Angle	c) An angle that is greater than 90 degrees but less than 180 degrees.
iv) Hexagon	d) The corner where two sides of a shape meet.
v) Vertex	e) An angle that is less than 90 degrees.

OR

Fill in the blanks with the correct word to complete the sentence.

i) A shape with four equal sides and four right angles is called a _____.
ii) An angle that measures exactly 90 degrees is called a _____ angle.
iii) The hands of a clock at 3 o'clock form a _____ angle.
iv) Any shape that is not closed is called an _____ shape.
v) A triangle has _____ sides and three angles.

Q.5 Write True or False. **(5)**

1. 15 comes next in the following sequence: 1, 3, 6, 10, __?__ _____
2. If you turn the letter 'H' upside down (a 1/2 turn), it will look the same as the original. _____
3. The rule for the number pattern 5, 11, 23, 47 is "multiply by 2 and add 1". _____
4. If the secret code for "BOOK" is "CNPJ", then the code for "COPY" is "DQRY". _____
5. The next number in the growing pattern 1, (1+2), (1+2+3), (1+2+3+4) is 15. _____

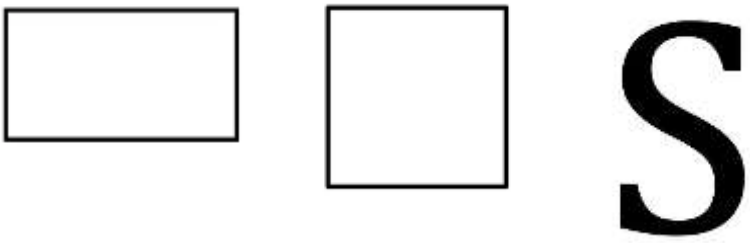
Section C

Q.6 Ravi receives ₹120 as his monthly pocket money. He decides to spend it as follows: **(3)**

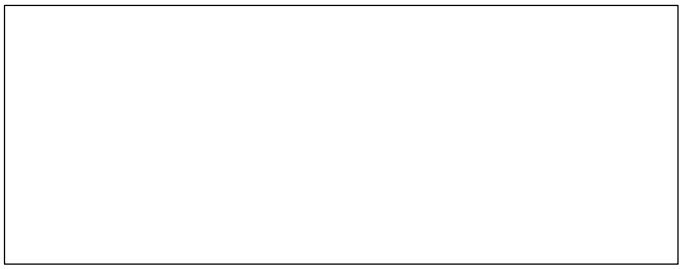
- $\frac{1}{4}$ of his pocket money on a storybook.
- $\frac{1}{3}$ of his pocket money on snacks.

a) How much money did he spend on the storybook? _____
b) How much money did he spend on snacks? _____
c) How much money is left with him at the end? _____

Q.7 Look at the three shapes given below: a rectangle, a square and the letter 'S'. **(3)**

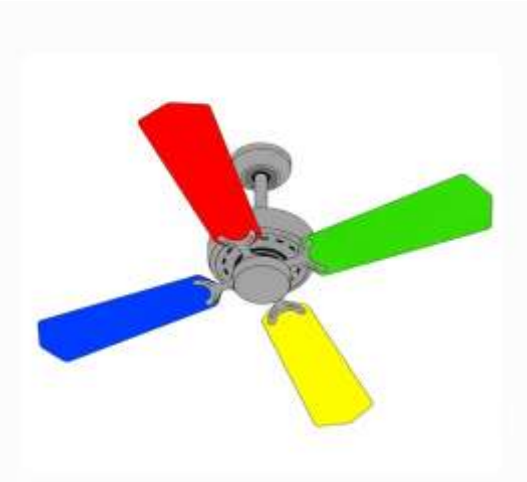


(a) Draw all the possible lines of symmetry (the line on which if we keep the mirror we can see the same image) for the rectangle and the square.
(b) Which of these shapes will look the same after a **1/2 turn**?



(c) Which of these shapes will look the same after a **1/4 turn**?

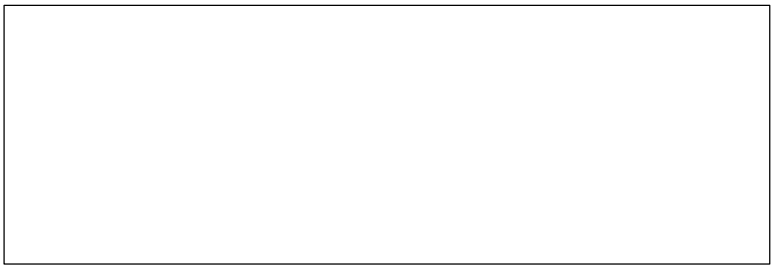
Q.8 Ankit has designed a fan with blades of four different colours as shown below. **(4)**



(a) Draw what this fan will look like after a **1/4 turn** clockwise.

(b) Draw what this fan will look like after a **1/2 turn** clockwise.

(c) Draw what this fan will look like after a **3/4 turn** clockwise.



(d) Will this fan ever look exactly the same as the original picture before completing a full turn? Explain your answer.

_____

_____

Q.9 Sunita has two ribbons of different colors, a red ribbon that is 12 meters long and a blue ribbon that is 18 meters long. She wants to cut both ribbons into strips of equal length so that no ribbon is leftover. **(5)**

a) What are the common factors of 12 and 18?

_____

b) What is the longest possible length of the strips she can cut?

_____

c) How many red strips and blue strips will she have in total at this longest possible length?

_____

OR

Three bells ring at intervals of 4, 6, and 8 minutes, respectively. If they all ring together at 6:00 AM, answer the following:

a) After how many minutes will they ring together again for the first time? (Find the Lowest Common Multiple)

_____

_____

_____

_____

b) At what time will they next ring together?

c) How many times will each bell have rung individually before they all ring together again?

Q.10 A school has a vegetable garden divided into 20 equal parts. **(5)**
Different vegetables are grown in it.

- Tomatoes are grown in $^1/_2$ of the garden.
- Spinach is grown in $^1/_5$ of the garden.
- Brinjals are grown in the remaining parts.

a) How many parts of the garden are used for growing tomatoes?

b) How many parts are used for growing spinach?

c) What fraction of the garden is used for growing brinjals?

d) Draw the rectangular garden in the space given below, showing the parts for tomatoes, spinach, and brinjals using different colours or shading.

OR

Keerthi is buying vegetables from a shop. The price list for 1 kg of each item is displayed below:

Vegetable	Price per kg
Potato	₹ 24
Onion	₹ 32
Tomato	₹ 40
Carrot	₹ 60

She buys the following items:

- ½ kg of Tomatoes
- ¼ kg of Carrots
- ¾ kg of Potatoes
- ½ kg of Onions

Calculate the cost for each vegetable she bought and find out the total amount of her bill.