

STD: V  
DATE: 24/02/2020

MARKS: 80  
TIME: 2 hrs

Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

- ❖ Section A is to be answered on the question paper. Attach Section A to your answer booklet.
- ❖ Rough work must be shown on the same page as the sum and not on a separate page.

**Section A (40 marks)**

**Question 1**

Fill in the blanks:

[10]

- If the sum of the measures of two angles is \_\_\_\_\_, then they are called 'supplementary angles'.
- $\frac{7x}{4x} = \frac{35}{20}$
- $|-10| =$  \_\_\_\_\_ and  $|+81| =$  \_\_\_\_\_
- 20 cm and 9mm = \_\_\_\_\_ mm
- Complementary angle of  $51^\circ$  is \_\_\_\_\_
- $2(2474 + 526) =$  \_\_\_\_\_
- $111 \times 111 =$  \_\_\_\_\_
- 25 lakhs, 6 thousand and 4 tens, write in numerals \_\_\_\_\_
- $16 - (-27) =$  \_\_\_\_\_
- One - fourth of a circle is \_\_\_\_\_.

**Question 2**

- Find the area of a rectangle, with length 15cm and breadth 9cm. [2]

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- Arrange the following numbers in ascending order and represent them on number line. [2]

10, 0, -5, 3, -7, 2

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- Arrange the following numbers in descending order and represent them on number line. [2]

-7, -3, -9, 8, -12, 2, 9

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

d. A man borrowed Rs 900. He repaid it with an interest of Rs 90. Find the amount. [2]

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e. The diameter of a circle is 5.4cm. Find its radius. [2]

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**Question 3**

a. A motor cyclist covers a distance of 20km at a speed of 10 km/hr. Calculate the time taken to cover this distance. [2]

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b. Solve:  $-530 - (-474) + (-27)$ . [2]

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c. Find the Perimeter of a triangle whose sides are 4 cm, 5 cm and 6 cm. [2]

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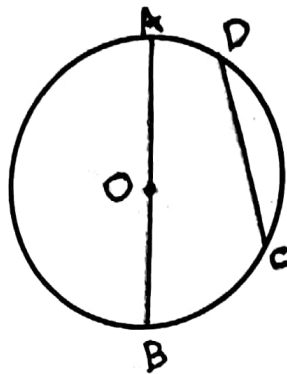
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d. Following is the choice of sweets of 30 students of class V.  
Ladoo, Barfi, Ladoo, Jalebi, Ladoo, Rasgulla, Jalebi, Ladoo, Barfi, Rasgulla, Ladoo,  
Jalebi, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo, Rasgulla, Ladoo, Ladoo, Barfi,  
Rasgulla, Rasgulla, Jalebi, Rasgulla, Ladoo, Rasgulla, Jalebi, Ladoo.  
Arrange these sweets in tabular form using tally marks. [4]

Sweets	Tally Marks	Frequency

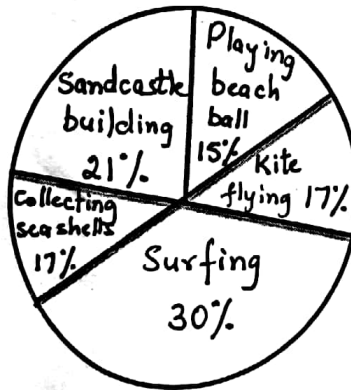
**Question 4**

a. Read the figure given alongside and fill in the blanks. [3]



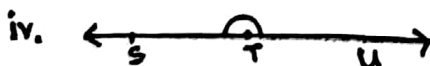
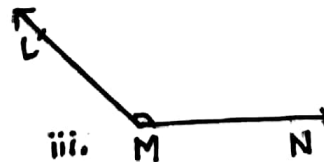
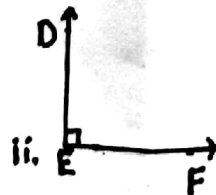
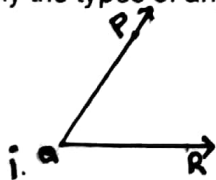
- i. The centre of the circle lies at the point \_\_\_\_\_.
- ii. \_\_\_\_\_ is a chord.
- iii. \_\_\_\_\_ is a largest chord of the circle.

b. Mrs Zee, teacher of grade 5 recorded the favourite beach activities of her class. She made a pie graph based on the results. Study the graph and answer the questions. [3]



- i. Activity least popular among the fifth grade \_\_\_\_\_
- ii. Percentage of students liking activities other than Building sand castle is \_\_\_\_\_
- iii. Activities are equally popular are \_\_\_\_\_

c. Identify the types of angles. [4]

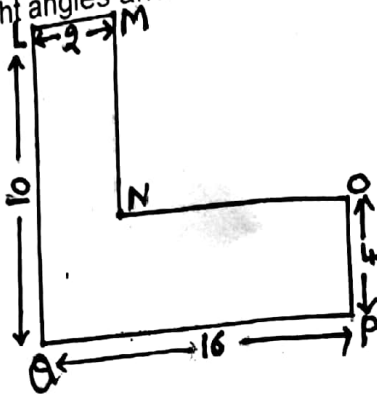


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|------------|-----------|
| i. _____   | ii. _____ |
| iii. _____ | iv. _____ |

Section - B (40 Marks)

Question 5

- The perimeter of a rectangle is 16m and its length is 4m. Find its area. [3]
- Draw a right  $\angle$  STU with the help of protractor and bisect it. [3]
- Calculate the area of the figure given below. [4]  
(All corners are right angles and all measures are in cm.)



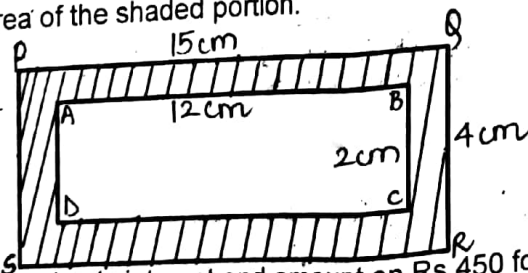
Question 6

- Draw an  $\angle$  RST measuring  $120^\circ$  with a compass, and bisect it. Check by a protractor whether each part is  $60^\circ$ . [3]
- A train travelled from Howrah to Kharagpur at 50km/hr. It covered the distance in 2hr 18mins. Find the distance between Howrah and Kharagpur. [3]
- The number of students present on Monday in different classes of a primary school is given below in the table. Represent it in bar graph [4]

Class	I	II	III	IV
No. of students present	33	38	30	40

Question 7

- Find the area of the shaded portion. [3]



- Calculate the simple interest and amount on Rs 450 for 3 years at 5% per annum simple interest. [3]
- Draw a circle of radius 4 cm and mark O as its centre. Where do the points A, B, and C lie if  $OA = 8\text{cm}$ ,  $OB = 4\text{cm}$ , and  $OC = 3.5\text{cm}$ ? [4]

Question 8

- If the perimeter of a square field is 288m, find its area. [3]
- An aeroplane flew 3600km in 4 hours. Find its
  - Speed in m/sec. [3]
  - Distance covered in 40 seconds\*
- Draw a line segment PQ of length 6cm and take a point X above PQ, Draw perpendicular from X to line segment PQ. [4]

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