



WORKSHEET

Grade: VI

Subject: Mathematics

Date:

Code:

Name:

Max. Marks: 60

Roll no. :

Time: 2 Hrs.

General Instructions:

- *This question paper consists of 3 printed pages.*
- *All answers to be written in the answer sheet provided.*
- *Section A carries 15 questions of 1 mark each.*
- *Section B carries 4 questions of 2 marks each.*
- *Section C carries 7 questions of 3 marks each.*
- *Section D carries 4 questions of 4 marks each.*

SECTION A

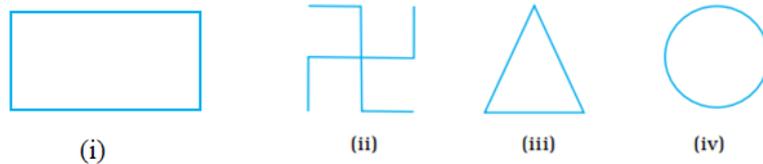
(15 × 1 = 15)

- 1 Which of the following equations has $x = 2$ as a solution?
a) $x + 2 = 5$ b) $x - 2 = 0$ c) $2x + 1 = 0$ d) $x + 3 = 6$
- 2 “Variable” means that it
a) can take different values
b) has a fixed value
c) can take only 2 values
d) can take only three
- 3 Which of the following letters do not have any line of symmetry?
a) E b) T c) N d) X
- 4 The number of lines of symmetry in a circle is
a) 0 b) 2 c) 4 d) more than 4
- 5 Four regular hexagons are drawn so as to form the design as shown. If the perimeter of the design is 28cm, find the length of each side of the hexagon.
a) 7
b) 6
c) 4
d) 2
- 6 Number of whole numbers lying between -5 and 5 is
a) 6 b) 5 c) 10 d) 4
- 7 The predecessor of the integer -1 is
a) 0 b) 2 c) -2 d) 1



- 8 Amulya and Amar visited two places A and B respectively in Kashmir and recorded the minimum temperatures on a particular day as -4°C at A and -1°C at B. Which of the following statement is true?
- A is cooler than B
 - B is cooler than A
 - There is a difference of 2°C in the temperature
 - The temperature at A is 4°C higher than that at B
- 9 Which of the following decimals is the greatest?
- 0.182
 - 0.0925
 - 0.29
 - 0.038
- 10 0.7499 lies between
- 0.7 and 0.74
 - 0.75 and 0.79
 - 0.749 and 0.75
 - 0.74992 and 0.75

- 11 In the following figures, the figure that is not symmetric with respect to any line is figure ____.



- 12 On a shelf, books with green cover and that with brown cover are in the ratio 2:3. If there are 18 books with green cover, then the number of books with brown cover is _____.
- 13 On subtracting $\frac{5}{9}$ from $\frac{19}{9}$, the result is _____.
- 14 A fraction with denominator greater than the numerator is called a _____ fraction.
- 15 To find the cost of painting a wall we need to find the perimeter of the wall.
(Say True or False)

SECTION B

(4 × 2 = 8)

- 16 In a village, there are 8 water tanks to collect rain water. On a particular day, x litres of rain water is collected per tank. Then what is the total amount of water altogether in the tanks on that day?
- 17 Using the number line, write the integer which is 4 more than -5 .
- 18 Arrange the fractions $\frac{6}{7}$, $\frac{7}{8}$, $\frac{4}{5}$, $\frac{3}{4}$ in descending order.
- 19 Find the missing number in the box, in the proportions: $\frac{\square}{45} = \frac{16}{40} = \frac{24}{\square}$

SECTION C

(7 × 3 = 21)

- 20 Translate each of the following statements into an equation, using “p” as the variable:
- Two-third of number is 12.
 - 9 added to twice a number gives 13
 - 13 subtracted from thrice a number gives 2

- 21 Draw the mirror image of each letter of the word 'EDUCATION', if the mirror is placed vertically.
- 22 Sabiya wants to cover the floor of her room whose length is 400 cm and breadth is 300 cm by square tiles. If each square tile is of side 20cm, then find the number of tiles required to cover the floor of her room.
- 23 Compute the following:
- $0 - (-6) - (+6)$
 - $1 + (-2) + (-3) - (-4)$
 - $-50 - (-60) + 50$
- 24 Alok purchased 1kg 200g potatoes, 250g dhanian, 5kg 300g onion, 500g palak and 2kg 600g tomatoes. Find the total weight of his purchases in kilograms.
- 25
- The food we eat remains in the stomach for a maximum of 4 hours. For what fraction of a day, does it remain there?
 - Write $\frac{3}{4}$ as a fraction with denominator 44.
- 26 Reshma prepared 18kg of Burfi by mixing Condensed milk with Sugar in the ratio of 7 : 2. How much Condensed milk and sugar did she use?

SECTION D

(4 × 4 = 16)

- 27 Bhavna runs around a square field of side 80m. Her sister Sushmita runs around a rectangular field with length 150m and breadth 60m. Who covers more distance if they run only once? By how much?
- 28
- Karthika had a rope of 63.45 m. She cut the rope into two pieces. If the length of one piece was 23.59 m, what was the length of the other piece?
 - Ananya's school is at a distance of 5 km 350 m from her house. She travels 1 km 700 m in car and the rest by school Bus. How much distance does she travel by bus?
- 29 Income of Rahim is Rs 12000 per month and that of Ami is Rs 15960 per month. If the monthly expenditure of each of them is Rs 9960 per month, find the ratio of their savings. (Write the answer in lowest form)
- 30 Draw an angle of 140° with the help of a protractor and bisect it using ruler and compasses.