ANANDALAYA
PERIODIC TEST – 3
Class-VI

विद्या सर्वार्थ साधिका

Subject: Mathematics
Date   : 04/01/2020

M.M: 50
Time: 2 hours

General Instructions:
1. All questions are compulsory.
2. This question paper contains 22 questions.
3. Questions 1 – 7 in Section A are very short-answer type questions carrying 1 mark each.
4. Questions 8 – 13 in Section B are short-answer type questions carrying 2 marks each.
5. Questions 14 – 18 in Section C are short -answer type questions carrying 3 marks each.
6. Questions 19 – 22 in Section D are long-answer type questions carrying 4 marks each.

SECTION-A

1. Convert 30 mm in cm using decimals. (1)

2. Name the term for representing the data through pictures of objects. (1)

3. Find the perimeter of a square, if length of its side is 7 cm. (1)

4. Find the rule which gives the number of match sticks required to make a pattern of letter **T.** (1)

5. Write the following as decimals: (1)
$27 + \frac{3}{10} + \frac{8}{1000}$

6. Find the area of a rectangle if its length is 17 m and breadth 9 m. (1)

7. Cadets are marching in a parade. There are 5 cadets in row. Find total number of cadets if there are n rows. (1)

SECTION-B

8. Subtract 3. 345 km from 7. 235 km. (2)

9. Following is the choice of sweets of 30 students of Class VI. 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 the names of sweets in a table using tally marks. (2)

10. The lid of a rectangular box of sides 40 cm by 10 cm is sealed all round with tape. What is the length of tape required? (2)

11. Give mathematical expressions for the following cases: (2)
(i) 11 added to 2 times of m (ii)   2 times of y subtracted from 7 (iii)   - p divided by 5 and then 3 is added to the result (iv) y is multiplied by -5 and result is added to 16

12. John spent ` 34.75 for Maths book and ` 31.60 for science book. Find the total amount spent by John. (2)

13. A floor is 5 m long and 4 m wide. A square carpet of sides 3 m is laid on the floor. Find the area of the floor that is not carpeted. (2)

SECTION-C

14. Ragini travelled 5 km 52 m by bus, 2 km 265m by car and the rest 1 km 30 m she walked. How much distance did she travel in all? (3)

15. Total number of animals in five villages are as follows : (3)

    Village A : 80   Village B : 120
    VillageC : 90   Village D : 40
    Village E : 60

    Prepare a pictograph of these animals using one symbol ⊗ to represent 10 animals.

17. What is the cost of tilling a rectangular plot of land 500m long and 300 m wide at the rate of Rs 15 per hundred sq m? (3)

18. Taking Sarita's present age to be y years, answer the following questions: (3)
    (i) What will be her age 5 years from now?
    (ii) What was her age 3 years back?
    (iii) Saritas's grandfather is 6 times her age.What is the age of her grandfather?
    (iv) Grandmother is 2 years younger than grandfather. What is grandmother's age?
    (v) Sarita's father's age is five years more than three times sarita's age. What is father's age?
    (vi) Sarita's mother's age is two years less than three times Sarita's age. What is mother's age?

19. Sweety runs around a square park of side 85 m. Bulbul runs around a rectangular park with length 95m and breadth 70 meter. Who covers less distance and by how much? (3)

SECTION-D

19. Ranjit bought vegetables weighing 12 kg. Out of this, 3 kg 250g is onions, 2 kg50g tomatoes, 1kg 75g cauliflower and rest is potatoes. What is the weight of potatoes? (4)

20. Following table shows the number of bicycles manufactured in a factory during the years 1998 to 2002.Illustrate this data using a bar graph. Choose a scale of your choice. (4)

Years	Number of bicycles manufactured
1998	800
1999	600
2000	900
2001	1100
2002	1200

(a) In which year the maximum number of bicycles manufactured?
(b) In which year the minimum number of bicycles manufactured?

21. Bob wants to cover the floor of a room by squared tiles. The length of the room is 5 metre and perimeter is 16 metre. If each square tile is of side 0.5m, then find the number of tiles required to cover the floor of the room. (4)

22. Pick out the solution from the values given in the bracket next to each equation. Show that the other values do not satisfy the equation. (4)
    (i) $5 m = 60$ (10 , 12)
    (ii) $n + 12 = 20$ (12 , 8)