



विद्या सर्वार्थ साधिका

ANANDALAYA
PERIODIC TEST 1
Class: VII

Subject: Mathematics
Date : 18-07-2024

M.M: 40
Time: 1Hr. 30 min.

General Instructions:

- i) This question paper contains 20 questions. All questions are compulsory.
- ii) Questions 1 – 8 in Section A are questions carrying 1 mark each.
- iii) Questions 9 – 14 in Section B are short-answer type questions carrying 2 marks each.
- iv) Questions 15 – 18 in Section C are short -answer type questions carrying 3 marks each.
- v) Question 19 and 20 in Section D are long-answer type question carrying 4 marks each.

SECTION-A

1. What is $-1 \times 1 \times (-1) \times (-3)$? (1)
(A) 3 (B) - 3 (C) 4 (D) -4
2. Which of the following do not give the answer as 20? (1)
(A) $-2 \times (-10)$ (B) 4×5 (C) $-4 \times (-5)$ (D) -4×5
3. Find the quotient: $(-52) \div 13$ (1)
(A) -4 (B) 4 (C) 5 (D) -5
4. If the lowest temperature in Gulmarg in Kashmir was -10°C in January and in summer, the temperature rose by 44 degrees to reach the maximum temperature, what was the maximum temperature in summer that year? (1)
(A) 44°C (B) 34°C (C) 54°C (D) -34°C
5. Find the product of 6.3×10 (1)
(A) 63 (B) 0.63 (C) 0.063 (D) 630
6. The product of $\frac{2}{7}$ and 4 is _____ (1)
(A) $\frac{6}{7}$ (B) $\frac{7}{8}$ (C) $1\frac{1}{7}$ (D) $1\frac{1}{8}$
7. In a class of 48 students, $\frac{1}{4}$ of them regularly watch a particular TV programme. How many students do not watch the programme regularly? (1)
(A) 12 (B) 24 (C) 36 (D) 48
8. How many minutes are there in $\frac{2}{3}$ of 2 hours? (1)
(A) 20min (B) 40min (C) 60min (D) 80 min

SECTION-B

9. Simplify: (2)
 - a) $(-9) \div (-9)$
 - b) $20 \div (-5)$
 - c) $(-12) \times 3$
 - d) $-99 \times (-2)$

10. a) The product of two numbers is 105, if one number is -7 , what is the other number? (2)
 b) Sum of one positive and one negative integer gives -10 , what are the integers?
11. A ribbon of length $5\frac{1}{4}$ m is cut into small pieces each of length $\frac{3}{4}$ m. How many pieces will be made? (2)
12. Solve: (2)
 a) $\frac{1}{5} \div \frac{3}{20}$
 b) $\frac{1}{3} \times 6\frac{3}{10}$
13. Fill in the boxes: (2)
 a) $0.03 \times 0.9 = \square$ b) $0.014 \times 100 = \square$
 c) $85.1 \div 10 = \square$ d) $13.2 \div \square = 13.2$
14. A) What does the adjoining picture represent, write the mathematical expression for it. (2)
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- B) What is $\frac{2}{3}$ of 18?

SECTION-C

15. Solve the following using the appropriate properties: (3)
 a) $18 \times (-16) + 2 \times (-16)$
 b) $-25 \times 9 \times 4 \times (-5)$
16. Every floor of a 20-storey building is 5m high. If a lift moves 2 metre every second, how long it will take to move from 3rd floor to 15th floor? (3)
17. In an exam 2 marks are given for every correct answer, 0.5 marks is deducted for every wrong answer and zero marks for not attempting any question. Sarah scores 30 marks. If she got 20 correct answers, how many questions she has attempted incorrectly? (3)
18. 1800 people attended a wedding reception. $\frac{7}{18}$ of them were men and $\frac{11}{24}$ of them were ladies. The remaining were children. What fraction of them were children and how many children were present? (3)

SECTION-D

19. Solve the following: (4)
 a) 4.21×1.05
 b) $11.34 \div 2.1$
20. a) Rahim went to play with 60 marbles. He played a total of 12 games. In 8 games he lost 5 marbles each and in 4 games he gained 4 marbles each. When the game ended, how many marbles did he have? (4)
 b) An elevator descends at the rate of 4m per minute. If the elevator starts descending from 22m above the ground level, how long will it take to reach 450 m below the ground level?