



ANANDALAYA
PERIODIC TEST – 1
Class : VII

Subject: Mathematics
Date : 16/07/2022

M.M: 30
Time:1 Hour 30 min

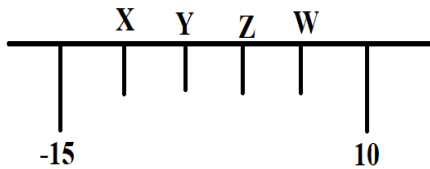
General Instructions:

- i) All questions are compulsory.
- ii) This question paper contains 16 questions.
- iii) Questions 1 – 6 in Section A are multiple choice type questions carrying 1 mark each.
- iv) Questions 7 – 13 in Section B are short-answer type questions carrying 2 marks each.
- v) Questions 14 – 15 in Section C are short -answer type questions carrying 3 marks each.
- vi) Question 16 in Section D is long-answer type question carrying 4 marks.

SECTION - A

1. The additive inverse of -5 is _____. (1)
A) -5 B) 5
C) 0 D) 1
2. The product of -237×0 is same as _____. (1)
A) $200 + 37$ B) $-200 - 37$
C) $0 \times (-37)$ D) $(-37) \div 0$

3. Assuming that the points X, Y, Z and W are at equal intervals, which point on the number line given below shows the value of 'zero'? (1)

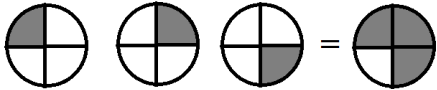


- A) X B) Y
C) Z D) W
4. Which of the following do not represent an integer? (1)
A) $0 \div (-7)$ B) $20 \div (-4)$
C) $(-9) \div 3$ D) $(-12) \div 5$
5. What is the reciprocal of $2\frac{3}{4}$? (1)
A) $\frac{4}{11}$ B) $\frac{11}{4}$
C) $\frac{4}{3}$ D) $\frac{3}{4}$
6. What is 4 times $\frac{1}{4}$? (1)
A) 4 B) $\frac{1}{4}$
C) 16 D) 1

SECTION - B

7. Simplify: (2)
a) $48 + (-23) + (-15)$
b) $-9 \div 3 \times (-3)$

8. Find the product using the suitable property: (2)
- a) $25 \times 78 \times 4$
- b) $-436 \times 45 + 436 \times (-55)$
9. A fruit merchant earns a profit of ₹ 66 on per bag of oranges sold and a loss of ₹ 44 on per bag of grapes sold. The merchant sells 1800 bags of oranges and 2500 bags of grapes. What is the total profit or loss incurred by him? (2)
10. i) Choose the correct interpretation of the picture given below: (2)



a) $\frac{1}{4} \div 3$

b) $\frac{3}{4} \times 3$

c) $3 \times \frac{1}{4}$

d) $3 \div \frac{1}{4}$

ii) Which picture represents $3 \times \frac{2}{3}$?

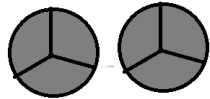
a)



b)



c)



d)



11. In a class of 40 students $\frac{1}{5}$ of the class like to eat rice only, $\frac{2}{5}$ of the class like to eat chapati only and the remaining students eat both. What fraction of the class likes to eat both? (2)
12. Find: (2)
- a) The difference of $\frac{13}{24}$ and $\frac{7}{16}$.
- b) The product of $\frac{4}{7}$ and $\frac{14}{25}$.

13. Rucha used $\frac{4}{5}$ of 5 kg apples on Monday. She used $\frac{1}{3}$ of what was left on the next day. How much of the apples (the weight) are left with her now? Express the weight of the apples in fraction. (2)

SECTION - C

14. Which is greater? (3)
- $\frac{12}{7} \div \frac{3}{14}$ or $3\frac{3}{7} \div 7$

15. In a test +3 marks are given for every correct answer and – 1 mark is given for every incorrect answer. Salma attempted all the questions and scored 20 marks though she got 10 correct answers. (3)
- i) How many incorrect answers has she attempted?
- ii) How many questions were given in the test?

SECTION - D

16. Write down a pair of integers whose: (4)
- a) Sum is – 9.
- b) Difference is – 11.
- c) Product is – 36.
- d) Product is less than the two integers.