



PERIODIC TEST - 1 (APRIL, 2023)

SUBJECT - MATHEMATICS

CLASS -VII

TIME - 90 MINS

MM - 40

GENERAL INSTRUCTIONS:

1. This question paper consists of 21 questions and 5 sections.
2. All questions are compulsory.
3. Section A consists of 11 questions carrying 1 mark each.
4. Section B consists of 4 Very Short questions carrying 02 marks each.
5. Section C consists of 4 Short Answer type questions carrying 03 marks each.
6. Section D consists of 1 Long answer type question carrying 5 marks.
7. Section E consists of 1 case study question carrying 4 marks.

SECTION - A

Q1. How many integers lie between 5 and -5?

Q2. The result of $0.5 \times 0.05 =$

Q3. Solve $15 \times [7 + (-2)]$

Q4. What is the reciprocal of $\frac{1}{5} - \frac{5}{6}$?

Q5. The distance of any integer from 0 is called its _____

Q6. What is the equivalent fraction of $\frac{4}{5}$?

Q7. Evaluate $-50 \div 5 = \underline{\hspace{2cm}}$

Q8. Sum of rational number and its additive inverse is equal to ____.

Q9. Find $\frac{1}{4}$ of 220.

Q10. Find $\frac{16}{7} \div \frac{4}{7}$?

Q11. What is the lowest form of rational numbers equivalent to $-\frac{36}{81}$?

SECTION - B

Q12. Evaluate : $[66 + (-1) \div [9 - (-4)]]$

Q13. Evaluate using property: $(-57) - (-57) \times 73 - 28 \times (-57)$

Q14. Simplify $2.75 \times 0.4 - 0.75 \times 0.4$

Q15. Find the three rational numbers between $-\frac{4}{5}$ and $-\frac{2}{3}$

SECTION - C

Q16. Sumit earns Rs 3000 per day and spends Rs 570 on petrol everyday. Find out how much money he saves in 7 days.

Q17. Simplify : $\{(-42) \div 6 + 51\} \times \{45 - (75 \div 5 + 25 - (-5))\}$

Q18. The product of two fractions is $68\frac{3}{5}$. If one of them is 21, find the other.

Q19. Find the area and perimeter of a swimming pool whose length is $35\frac{1}{4}$ m and breadth is $16\frac{3}{4}$ m .

SECTION - D

Q20. Rashi is playing with two red and black dice with numbers 1 to 6 engraved on each of them. If the red die represents a negative integer and the black die represents a positive integer, then answer the following questions:

(a) The product of numbers that appear on the dice is -24. What is the number shown on the red die if the black die turns up showing 6?

(b) If number 3 turns up on the red die and number 2 turns up on the black die, what is the product?

SECTION - E

Q21. Case Study

Read the Case Study and answer the following questions based on this.

Temperature dips in Kashmir, Ladakh on 15 January 2012.

Leh in Jammu and Kashmir on Saturday recorded the lowest temperature of this season at - 21 degrees celsius. Mercury continued to dip as intense cold wave conditions swept across the Kashmir Valley in Ladakh region. According to a source, "At minus 21 degree Celsius, Leh witnessed the lowest temperature this season on Saturday. At Kargil the temperature dipped to minus 18 degree Celsius the minimum was minus 5 degree celsius in Srinagar while the minimum was minus 10 degree celsius in Gulmarg and minus 7 degree Celsius at Pahalgam."

(i) Which place recorded the lowest temperature?

(ii) Arrange the places in order of decreasing temperature.

(iii) What was the difference in temperature between Leh and Gulmarg?

(iv) What was the difference in temperature between Pahalgam and Srinagar?