General Instructions:

1. This question paper consists of **15 multiple-choice questions (MCQs)**.
2. Each question carries **1 mark**. The maximum marks for this test are **15**.
3. The total time allowed to complete this test is **20 minutes**.
4. All questions are compulsory.
5. Each question has **four options (A), (B), (C), and (D)**. Only one option is correct.
6. Students must choose the **most appropriate option** for each question.
7. No marks will be deducted for incorrect answers.
8. Calculators and other electronic devices are **not permitted**.
9. Rough work should be done neatly in the space provided (if any).
10. Read each question carefully before answering.

Test Paper 4

Code: 2026/RationalNumbers/Class7/04

1. Solve: $\frac{2}{7} - \frac{3}{8} + \frac{1}{4}$
   (a) $\frac{9}{56}$
   (b) $\frac{11}{56}$
   (c) $\frac{5}{56}$
   (d) $\frac{13}{56}$
2. If $\frac{-5}{x} = \frac{10}{-12}$, then x is:
   (a) 6
   (b) -6
   (c) 5
   (d) -5
3. The rational number which is its own additive inverse is:
   (a) 1
   (b) -1
   (c) 0
   (d) None
4. What is the value of $(\frac{-3}{4})^2$?
   (a) $\frac{-9}{16}$
   (b) $\frac{9}{16}$
   (c) $\frac{6}{8}$
   (d) $\frac{-6}{8}$
5. Which of the following shows the associative property of addition?

(a) $a + b = b + a$

(b) $a + 0 = a$

(c) $(a + b) + c = a + (b + c)$

(d) $a + (-a) = 0$

6. Express $\frac{-12}{13}$ with denominator 52.

(a) $\frac{-36}{52}$

(b) $\frac{-48}{52}$

(c) $\frac{48}{52}$

(d) $\frac{-24}{52}$

7. The reciprocal of a negative rational number is:

(a) Positive

(b) Negative

(c) 0

(d) 1

8. Find x if $x + \frac{1}{2} = \frac{-1}{3}$.

(a) $\frac{-5}{6}$

(b) $\frac{5}{6}$

(c) $\frac{-1}{6}$

(d) $\frac{1}{6}$

9. Which rational number is located exactly midway between $\frac{2}{3}$ and $\frac{3}{4}$?

(a) $\frac{17}{24}$

(b) $\frac{5}{7}$

(c) $\frac{17}{12}$

(d) $\frac{11}{24}$

10. The value of $\frac{1}{2} \div (\frac{1}{3} \div \frac{1}{4})$ is:

    (a) $\frac{3}{8}$

    (b) $\frac{2}{3}$

    (c) $\frac{3}{2}$

    (d) $\frac{8}{3}$

11. If P is a rational number, then $P \times 0 =$:

    (a) P

    (b) 1

    (c) 0

    (d) $-P$

12. The standard form of $\frac{18}{-45}$ is:

    (a) $\frac{-2}{5}$

    (b) $\frac{2}{-5}$

    (c) $\frac{-6}{15}$

    (d) $\frac{2}{5}$

13. Comparing $\frac{-7}{9}$ and $\frac{-5}{8}$, which is smaller?

    (a) $\frac{-7}{9}$

    (b) $\frac{-5}{8}$

    (c) Both are equal

    (d) Cannot be determined

14. The sum of three rational numbers is $\frac{15}{4}$. If two of them are $\frac{1}{2}$ and $\frac{3}{4}$, find the third.

    (a) $\frac{10}{4}$

    (b) $\frac{11}{4}$

    (c) 2

(d) 2.5

15. $x \times y = y \times x$ represents:

    (a) Commutative property

    (b) Associative property

    (c) Distributive property

    (d) Identity property