Revision Test Paper-I

(Based on Chapters 1 to 5)

A. **Multiple Choice Questions (MCQs).**

Tick (✓) the correct option.

1. By how much does – 4 exceed –11?

   (i) – 7 ☐ (ii) 7 ☐ (iii) – 15 ☐ (iv) – 11? ☐

2. The product of two integers with opposite sign will carry

   (i) – sign ☐ (ii) + sign ☐ (iii) any of these ☐ (iv) the sign of greater ☐ number

3. The ascending order of $\frac{3}{4}, \frac{2}{3}$ and $\frac{1}{2}$ is

   (i) $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}$ ☐ (ii) $\frac{1}{2}, \frac{3}{4}, \frac{2}{3}$ ☐ (iii) $\frac{2}{3}, \frac{3}{4}, \frac{1}{2}$ ☐ (iv) $\frac{3}{4}, \frac{1}{2}, \frac{2}{3}$ ☐

4. The fraction equivalent to $\frac{39}{91}$ is

   (i) $\frac{7}{13}$ ☐ (ii) $\frac{13}{7}$ ☐ (iii) $\frac{3}{7}$ ☐ (iv) $\frac{3}{17}$ ☐

5. If $\frac{a}{b} > \frac{c}{d}$, then

   (i) ab > cd ☐ (ii) cd > ab ☐ (iii) ad > bc ☐ (iv) ad < bc ☐

6. The sum of two rational numbers is 7. If one of the numbers is $\frac{24}{5}$, then the other number is

   (i) $\frac{16}{5}$ ☐ (ii) $\frac{-16}{5}$ ☐ (iii) $\frac{11}{5}$ ☐ (iv) $\frac{-11}{5}$ ☐

7. The value of 2 × 0.2 × 0.02 × 0.002 is equal to

   (i) 16 ☐ (ii) 0.00016 ☐ (iii) 0.016 ☐ (iv) 0.000016 ☐

8. 12.015 km is equal to

   (i) 12 km 1500 m ☐ (ii) 12 km 150 m ☐ (iii) 12 km 15 cm ☐ (iv) 12 km 15 m ☐

9. $\left(\frac{-5}{7}\right)^{-1}$ is equal to

   (i) $\frac{-5}{7}$ ☐ (ii) $\frac{-7}{5}$ ☐ (iii) $\frac{5}{7}$ ☐ (iv) $\frac{7}{5}$ ☐

10. $5^x \times 5^y \div 5^z$ is equal to

    (i) 5^{x+y-z} ☐ (ii) $5^{xy \div z}$ ☐ (iii) 5^{xy^2} ☐ (iv) $\frac{5^{x+y}}{5^{-z}}$ ☐

B. **Fill in the blanks of the following :**

1. The sum of two numbers is 5. If one number is $\frac{2}{3}$, then other number is _____ .

2. To divide a fraction by another fraction, we multiply the dividend by the _____ of divisor.

3. A rational number is said to be in its _____ form, if the HCF of its numerator and denominator is 1.

4. The standard unit of measuring capacity is _____ .

5. Zero divided by an integer is always _____ .
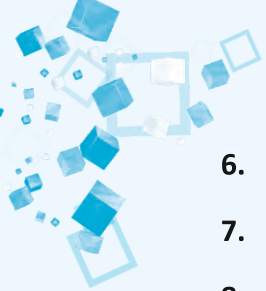
6. _____ fraction is a combination of whole number and proper fraction.

7. The word 'decimal' comes from Latin word _____ which means tenth part.

8. _____ fraction has numerator less than denominator.

9. Decimals which are non-terminating and non-repeating are called _____ .

10. _____ are combined sets of negative numbers and whole numbers.

C. Write 'T' for true statement and 'F' for false statement :

1. Subtraction of 1 from any integer gives its successor.

2. The set of all fractions is called the set of rational numbers, and is represented by the symbol Q.

3. A rational number can only be expressed as the terminating decimal.

4. 21.5×5.4 is same as 0.54×215.

5. $(5^3)^4 = 5^7$

6. 15 is a rational number.

7. $\dfrac{3}{8} + \left(\dfrac{-7}{8} \right) = -\dfrac{3}{2}$

8. $5 \div 3\dfrac{4}{7}$ is equal to $\dfrac{5}{7}$.

9. When we multiply a decimal by 10, 100, 1000 .... the decimal points shifts to 2,3,4 .... places to the right side.

10. $(3^5 \times 10^5 \times 25) \div (5^7 \times 6^5) = 1$