BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL

PERIODIC TEST -2 (2024-25)

MATHEMATICS (041) Marking Scheme

Class   : V   Max. Marks: 25

Date   : 10 - 12 - 24   Duration:1 Hr.

A.   Fill in the blanks   **1 x 5 = 5 M**

1. $0.723 \times 1000 =$ <u>723</u>

2. $500 + 70 + 1 + \dfrac{3}{10} + \dfrac{7}{100} =$ <u>571.37</u>

3. $478.65 \div$ <u>1</u> $= 478.65$

4. $\dfrac{8}{9} + \dfrac{7}{9} = \dfrac{15}{9}$

5. The reciprocal of the fraction $\dfrac{5}{7}$ is $\dfrac{7}{5}$

B.   Do as directed   **2 x 4 = 8 M**

6. State True or False

   (i) A fraction whose numerator is smaller than the denominator, is called unit fraction. False

   (ii) $\dfrac{7}{13} \quad \dfrac{5}{13} \quad \dfrac{3}{13} \quad \dfrac{2}{13}$ These fractions are arranged in descending order. True

   (iii) Fractions with different denominators are called unlike fractions. True

   (iv) The mixed fractions is also called as unlike fractions. False

7. Reduce into their simplest form   a. $\dfrac{12}{16} \div \dfrac{4}{4} = \dfrac{3}{4}$ b. $\dfrac{48}{64} \div \dfrac{16}{16} = \dfrac{3}{4}$

8. Divide 9.1 by 7

$$\dfrac{91}{10} \div \dfrac{7}{1}$$

$$\dfrac{91}{10} \times \dfrac{1}{7}$$

$$\dfrac{91}{10} \times \dfrac{1}{7} = \dfrac{91}{70}$$

$$9.1 \div 7 = 1.3$$

9. Multiply 0.5 by 2.1

$$0.5 \times 2.1 = 1.05$$

C. Solve the following   **3 x 4 = 12 M**

10. Divide the mixed fraction $\quad 1\frac{2}{5} \div 2\frac{1}{2}$

$$\frac{7}{5} \div \frac{5}{2}$$

$$\frac{7}{5} \times \frac{2}{5} = \frac{14}{25}$$

11. In an annual carnival, class V-A collected rupees 1192.75, class V-B collected rupees 1247.5 and class V-C collected rupees 1298.05. What was the total amount collected?

V-A collection = 1192.75

V-B collection = 1247.5

V-C collection = 1298.05

Total collection = 1192.75 + 1247.50 + 1298.05

= 3738.30

12. Find the sum: $\quad \frac{3}{5} + \frac{6}{7} + \frac{1}{4}$

LCM of 5, 7 and 4 = 140

$$\frac{3}{5} = \frac{84}{140}$$

$$\frac{6}{7} = \frac{120}{140}$$

$$\frac{1}{4} = \frac{35}{140}$$

$$\frac{84}{140} + \frac{120}{140} + \frac{35}{140} = \frac{239}{140}$$

13. The weight of a baby elephant was 218.99 kg. After two years, his weight increased by 109.85 kg. Find the weight of elephant after two years

Weight of baby elephant = 218.99 kg

Increased weight = 109.85

Weight of an elephant after 2 years

218.99 kg + 109.85 = 328.84

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