Mar Thoma Residential School, Thiruvalla Marks:80

Second Terminal Examination December 2017 STD: V

MATHEMATICS

Time: 1½ hrs

1. Convert the fraction as decimal fraction. (3)

   a) $45\frac{87}{1000}$ b) $\frac{19}{100}$

2. Arrange the following in ascending order. (3)

   a) 0.06 ; 6.006 ; 0.666 ; 0.606 ; 0.006 ; 6.66.

3. Add the following.

   a) 89.362 ; 9.003 ; 189.5 ; 18.734. (3)

   b) $\frac{5}{16} + \frac{7}{10} + \frac{2}{5}$ (4)

4. Subtract :

   a) 0.7392 from 0.9 (3)

   b) $\frac{13}{27} - \frac{5}{18}$ (4)

5. Find the values of the following. (4)

   a) 0.4824×1000 c) $69.08 \div 10$

   b) 5.003×100 d) $72.489 \div 100$

6. Round off the given numbers correct to : (10)

   a) nearest thousands

   i) 24, 985 ii) 1,32,063

b) nearest hundredths

i) 309.008 ii) 8.534

c) nearest litre.

i) 69.050 ℓ. ii) 155.555 ℓ.

d) nearest hour.

i) 8.45 hr. ii) 22.10 hr.

e) nearest crore

i) 4,92,68,000. ii) 50,13,36,210.

7. Find the product. (8)

a) 6.48×0.92

b) $\frac{3}{10} \times \frac{15}{24} \times \frac{14}{9}$

8. Divide the following. (8)

a) $\frac{6}{17} \div \frac{18}{32}$. b) $0.92583 \div 0.9$.

9. If **45 × 3 = 135**, then find the product of each of the following without actually performing the multiplication. (4)

a) 4.5×3

b) 0.045×3

c) 4.5×0.003

d) 4.5×0.3

10. Simplify using BODMAS rule.

a) $96 \div (7 + \overline{10 - 5})$. (3)

b) $143 + 40 \div 5 \times 9 - 48$. (4)

c) $0.42 \div \{0.4 + (0.2 + \overline{0.8 - 0.7})\}$. (5)

d) $4\frac{1}{2} + \left(8\frac{3}{4} - 2\right) \div \frac{1}{3}\ of\ 15$. (5)

11. Solve the following.

i) Subtract the difference of ₹ 1285.65 and ₹ 4173.80 from ₹ 6000. (4)

ii) A rice bag costs ₹ 519.50 and a bag of wheat costs ₹ 92.80. What is the total cost of 3 rice bags and 5 wheat bags? (3)

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