Cantonment Public School & College, Saidpur

HOME CT 1-2020

Class: VI (E.V)

Sub: General Mathematics (Multiple Choice Question)

Time: 40 minutes Marks: 20

[N.B. Give the tick mark at the letter among the letters against the numeric number of questions to supplied multiple choice answer script. Each question denotes 1 full mark]

1. $199\frac{5}{198} - 199\frac{4}{198} = ?$

a. $1\frac{1}{198}$ b. $\frac{5}{198}$ c. $1\frac{4}{198}$ d. $\frac{1}{198}$

2. $99\frac{2}{97} + 87\frac{3}{97} + 69\frac{5}{97} = ?$

a. $255\frac{10}{97}$ b. $254\frac{9}{97}$ c. $256\frac{10}{97}$ d.97

3. $8 - \frac{3}{7} - \frac{1}{2} - 7\frac{1}{7} + \frac{1}{14}$

a. $\frac{1}{17}$ b. 0 c. 1 d. $\frac{1}{14}$

4. Which one of the following pairs of fractions are equivalent?

a. $2\frac{1}{4}, 3\frac{1}{5}$ b. $3\frac{1}{4}, 6\frac{1}{2}$

c. $4\frac{1}{2}, \frac{27}{6}$ d. $\frac{13}{4}, 3\frac{3}{4}$

5. Which one of the following fractions is arranged in an ascending order of their values?

a. $\frac{3}{5}, \frac{1}{4}, \frac{5}{6}$ b. $\frac{1}{6}, \frac{4}{15}, \frac{2}{5}$

c. $\frac{1}{3}, \frac{11}{12}, \frac{3}{4}$ d. $\frac{1}{2}, \frac{5}{8}, \frac{2}{3}$

6. Which one of the following fractions is arranged in a descending order of their values?

a. $\frac{5}{8}, \frac{1}{4}, \frac{1}{2}$ b. $\frac{7}{9}, \frac{2}{3}, \frac{5}{6}$

c. $\frac{5}{6}, \frac{7}{9}, \frac{2}{3}$ d. $\frac{2}{3}, \frac{7}{9}, \frac{5}{6}$

Answer 7, 8 & 9 questions in the following information: The distance from Rony`s house to his uncle house is 15 km. He travelled $\frac{1}{5}$ part on foot, $\frac{1}{3}$ part by rickshaw, $\frac{1}{6}$ part by Van and the remaining path by bicycle .

7. Which one of the total part did he travel by on foot, rickshaw and Van?

a. $\frac{3}{10}$ part b. $\frac{1}{10}$ part

c. $\frac{7}{10}$ part d. $\frac{9}{10}$ part

8. How many part did he travel by bicycle?

a. $\frac{2}{5}$ part b. $\frac{1}{10}$ part

c. $\frac{1}{5}$ part d. $\frac{3}{10}$ part

9. How many km did he travel by on foot and rickshaw?

a. 5 km b. 3 km c. 7 km d.8 km

10. Which one is the equivalent fraction of the fraction $\frac{5}{6}$?

a. $\frac{5}{6}$ b. $1\frac{1}{6}$

c. $\frac{10}{12}$ d. $\frac{6}{5}$

Answer 11, 12 & 13 questions in the following information :

Price of 1 kg flower is $\frac{x}{2}$ Taka, 1 kg rice is $\frac{y}{3}$ Taka and 1 kg meat is $\frac{z}{4}$ Taka.

11. Which one of the following is the total price of 2 kg flower, 3 kg rice and 4 kg meat?

a. $(\frac{x}{4} + \frac{y}{9} + \frac{z}{16})$Taka b. (x+ y + z)Taka

c. $(\frac{x}{2} + \frac{y}{6} + \frac{z}{8})$ Taka d. $(x + \frac{y}{3} + z)$ Taka

12. Which one of the following is the total price of 4 kg flower, 12 kg rice and 16 kg meat?

a. (2x+6y+16z) Taka b. 2(x+3y+4z) Taka

c. (2x+6y+12z) Taka d. 2(x+2y+2z) Taka

13. Which one of the following is the total price of $\frac{1}{2}$ kg flower, $\frac{1}{3}$ kg rice and $\frac{1}{4}$ kg meat?

a. $(\frac{x}{2} + \frac{y}{6} + \frac{z}{8})$ Taka b. $(\frac{x}{4} + \frac{y}{6} + \frac{z}{8})$ Taka

c. $(\frac{x}{4} + \frac{y}{9} + \frac{z}{16})$ Taka d. $(\frac{x}{4} + \frac{y}{6} + \frac{z}{16})$ Taka

14. Which one of the following will be the result if 6 is subtracted from three times of a ?

a. 3a-6 b. 6- 3a c. 18 –a d. 6+3a

3ab+2ab×5xy ÷6mn of 2pq- 3yz

15. How many terms are there in the expression 3ab+2a×5xy ÷6mn of 2pq- 3yz?

a. 6 b.5 c.4 d.3

16. Which one of the following is the Co-efficient of ab of the expression 3ab+2a×5xy ÷6mn of 2pq- 3yz ? .

a. 3 b. 2 c. 5 d. 6

17. Which one of the following is the Co-efficient of yz of the expression 3ab+2a×5xy ÷6mn of 2pq - 3yz?

a. 5 b. -5 c. -3 d. 3

Answer 18, 19 & 20 questions in the following information:

$-5ab+2a^2+3b^2$ are an algebraic expression.

18. Which one is the sum of the numerical coefficient of every term?

a. 10 b.1 c. 0 d. -1

19. If a = 2, b= -1, which one of the following is the value of it ?

a. 21 b. -5 c. 5 d. -21

20. How many variables are there in the expression?

a. 1 b. 2 c. 3 d. 0