NUMBER SYSTEM - 2

1. On dividing a number by 357, we get 39 as remainder on dividing the same number by 17 what will be remainder.

(a) 0 **(b)** 3

(c) 5 **(d)** 11 **(e)** N. O. T

2. A number divided by 56 gives 29 as remainder of the same number is divided by 8 the remainder is

(a) 4 **(b)** 5

(c) 6 **(d)** 7 **(e)** N. O. T

3. When a number is divided by 779 we get a remainder of 47. What remainder will be obtained by dividing the same number by 19.

(a) 6 **(b)** 7

(c) 9 **(d)** 11 **(e)** N. O. T

4. If a number is divided by 60 then we get 16 as remainder. If the same number is divided by 12. What will be the remainder?

(a) 3 **(b)** 4

(c) 5 **(d)** 6 **(e)** N. O. T

5. If a number is divided by 84 then we get 20 as remainder. If twice of the number is divided by 21. What will be the remainder.

(a) 17 **(b)** 18

(c) 19 **(d)** 4 **(e)** N. O. T

6. When $0.\overline{47}$ is equivalent to the fraction

(a) $\frac{46}{90}$ **(b)** $\frac{46}{99}$

(c) $\frac{47}{90}$ **(d)** $\frac{47}{99}$ **(e)** N. O. T

7. $0.4\ \overline{23}$ is equivalent to the fraction

(a) $\frac{94}{99}$ **(b)** $\frac{49}{99}$

(c) $\frac{491}{990}$ **(d)** $\frac{419}{990}$ **(e)** N. O. T

8. $1.\overline{27}$ in the from $\frac{p}{q}$ is equal to

(a) $\frac{127}{100}$ **(b)** $\frac{14}{11}$

(c) $\frac{73}{100}$ **(d)** $\frac{11}{14}$ **(e)** N. O. T

9. The value of $(0.\bar{2} + 0.\bar{3} + 0.\overline{32})$ is

(a) $0.\overline{77}$ **(b)** $0.\overline{82}$

(c) $0.\overline{86}$ **(d)** $0.\overline{87}$ **(e)** N. O. T

10. $0.\overline{142857} \div 0.\overline{285714}$ is equal to

(a) $\frac{1}{2}$ **(b)** $\frac{1}{3}$

(c) 2 **(d)** 10 **(e)** N. O. T

11. $3.\overline{87} - 2.\overline{59}$ is equal to ?

(a) 1.2 **(b)** $1.\bar{2}$

(c) $1.\overline{27}$ **(d)** $1.\overline{28}$ **(e)** N. O. T

12. $3.\overline{36} - 2.\overline{05} + 1.\overline{33}$ is equal to

(a) 2.60 **(b)** 2.64

(c) $2.\overline{61}$ **(d)** $2.\overline{64}$ **(e)** N. O. T

13. $(0.\overline{09} \times 7.\bar{3})$ is equal to

(a) $0.\bar{6}$ **(b)** $0.\overline{657}$

(c) $0.\overline{67}$ **(d)** $0.\overline{657}$ **(e)** N. O. T

14. Find the total number of price factor in $2^{11} \times 3^{12} \times 5^7$

(a) 75 **(b)** 30

(c) 40 **(d)**50 **(e)** N. O. T

15. Find the total number of price factor in $10^5 \times 20^5 \times 30^5 \times 40^5$

(a) 40 **(b)** 50

(c) 60 **(d)** 70 **(e)** N. O. T

16. How many divisors are there of 30?

(a) 6 **(b)** 8

(c) 10 **(d)** 15 **(e)** N. O. T

17. How many divisors are there of 1500 ?

(a) 12 **(b)** 24

(c) 36 **(d)** 20 **(e)** N. O. T

18. Find the odd divisors of 250 ?

(a) 1 **(b)** 2

(c) 3 **(d)** 4 **(e)** N. O. T

19. Find the odd divisors of 750 ?

(a) 6 **(b)** 8

(c) 10 **(d)** 12 **(e)** N. O. T

20. Find the even divisors of 1000 ?

(a) 15 **(b)** 18

(c) 12 **(d)** 30 **(e)** N. O. T

21. Find the sum of divisors of 1200

(a) 12 **(b)** 24

(c) 36 **(d)** 48 **(e)** N. O. T

22. Find the sum of divisors of 300

(a) 868 **(b)** 768

(c) 896 **(d)** 968 **(e)** N. O. T

23. Find the sum of divisors of 1800

(a) 7045 **(b)** 8045

(c) 6045 **(d)** 9045 **(e)** N. O. T

24. Find the product of divisors of 900

(a) $(30)^{30}$ **(b)** $(30)^{27}$

(c) $(27)^{30}$ **(d)** $(27)^{27}$ **(e)** N. O. T

25. Find the product of the divisors of 2500 ?

(a) $(50)^{25}$ **(b)** $(50)^{15}$

(c) $(15)^{50}$ **(d)** $(25)^{50}$ **(e)** N. O. T