Number System

Practice Exercise

1. Smallest 3-digit prime number is
   (a) 103 (b) 107 (c) 101 (d) 109

2. Which statement is true?
   (a) $-5 + 3 \neq 3 - 5$
   (b) $\frac{-8}{12} = \frac{10}{-15}$
   (c) 2 is not natural number
   (d) 17 is not prime number

3. Which of the following number is in standard form?
   (a) $\frac{28}{106}$ (b) $\frac{-24}{52}$ (c) $\frac{-27}{48}$ (d) $\frac{-49}{71}$

4. The value of $0.\overline{12}$ is
   (a) $\frac{12}{199}$ (b) $\frac{3}{33}$ (c) $\frac{2}{33}$ (d) $\frac{4}{33}$

5. Evaluate $\frac{2}{3} + 0.\overline{11}$
   (a) $\frac{7}{9}$ (b) $\frac{9}{7}$
   (c) $\frac{77}{9}$ (d) $\frac{11}{99}$

6. The value of $\frac{3}{5} + \frac{3}{5} + \ldots$ upto 25 times is
   (a) 25 (b) 10 (c) 15 (d) 35

7. The sum of $\frac{3}{8} + \frac{3}{8} + \ldots$ 40 times is
   (a) 10 (b) 15
   (c) 25 (d) 30

8. Which number is not divisible by 6?
   (a) 270 (b) 385 (c) 312 (d) 432

9. Which number is not divisible by 5?
   (a) 5010 (b) 6051
   (c) 2055 (d) 1555

10. Which of the following numbers is divisible by 9?
    (a) 4621 (b) 2834
    (c) 9216 (d) 1560

11. By which number, 91476 is not divisible?
    (a) 11 (b) 7
    (c) 2 (d) 8

12. Which number is divisible by 5 and 9?
    (a) 585 (b) 285
    (c) 389 (d) 560

13. Which number is divisible by 5 and 25?
    (a) 2170 (b) 5125
    (c) 3107 (d) 4115

14. If $157x234$ is divisible by 3, then the digit at the place of x is
    (a) 0 (b) 1
    (c) 2 (d) None of these

15. The value of K, where $31K2$ is divisible by 6, is
    (a) 1 (b) 2 (c) 3 (d) 7

16. If a number $573xy$ is divisible by 90, then the value of $x + y$ is
    (a) 13 (b) 3
    (c) 8 (d) 6

17. What least number should be subtracted from 1365 to get a number exactly divisible by 25?
    (a) 15 (b) 5 (c) 10 (d) 20

18. If dividend = 64, quotient = 5 and remainder = 4 Find divisor.
    (a) 12 (b) 16 (c) 20 (d) 18

19. The product 3/4, 2/5 and 25/3 is

(a) 5/2 (b) 2/5 (c) 3/5 (d) 5/3

20. $8\frac{1}{4}+8\frac{1}{2}+?=20\frac{1}{8}$

(a) $8\frac{1}{4}$ (b) $3\frac{5}{8}$

(c) $3\frac{3}{8}$ (d) None of these

21. The value of $\frac{5-[4-\{3-(3-3-6)\}]}{2}$ is

(a) 6 (b) −1 (c) 5 (d) −4

22. Simplify $2\frac{4}{5}\div 3\frac{1}{2}$ of $\frac{4}{5}$

(a) 0 (b) 1

(c) 2 (d) 3

23. The value of A and B is

$$\begin{array}{r} A \\ A \\ +\ A \\ \hline BA \\ \hline \end{array}$$

(a) 5 and 1 (b) 4 and 2

(c) 3 and 2 (d) 4 and 1