

**GRAND TEST****GENERAL INSTRUCTIONS :**

- All questions compulsory.
- The question paper consists of **36 questions** divided into three sections A, B, C and D.
  - Section A comprises of **10 questions** of **1 mark** each.
  - Section B comprises of **12 questions** of **1 marks** each.
  - Section C comprises of **8 questions** of **2 marks** each.
  - Section D comprises of **6 questions** of **3, 4 marks** each.
- Time allotted is **2 hours**. The **Maximum Marks** are **60**.

**SECTION – A****Fill in the blanks –****(1 × 10 = 10)**

1. The smallest natural number is \_\_\_\_\_.
2.  $(-23) - (?) = 15$
3. \_\_\_\_\_ is a whole number which is not a natural numbers.
4.  $(-8) + (-6) - (-3) =$  \_\_\_\_\_.
5.  $\frac{72}{90}$  reduced to simples form is \_\_\_\_\_.

**Write True and False:-**

6.  $\frac{3}{5}$  lies between 3 and 5.
7.  $\frac{1}{2}$ ,  $\frac{1}{3}$  and  $\frac{1}{4}$  are like fractions.
8. 0 is an integer.
9. On the number line -10 lies to the right of (-6).
10. 0 is the smallest natural numbers.

**SECTION – B****(1 × 12 = 12)**

11. Write the successor and predecessor of  
(i) 1000      (ii) 1005399      (iii) 999999
12. Add - 3 and - 6 on the number line.
13. Add:  $(-236) + (573)$ .
14. What fraction of an hour is 40 minutes?
15. Of  $\frac{5}{7}$  and  $\frac{9}{14}$ , which is greater and by how much?
16. Estimate:  $5,673 - 436$ .
17. Write in Roman Numerals (a) 69 (b) 98.
18. Add the number 234, 197 and 103.
19. Find the factors of 36.
20. Write first five multiples of 6.
21. Find the prime factorization of 980.
22. Find the common factors of 75,60 and 210.

**SECTION – C**

**(2 × 8 = 16)**

23. Write a fraction equivalent to  $\frac{36}{63}$  with numerator 4.
24. Show that  $\frac{7}{12}$  and  $\frac{36}{60}$  are not equivalent fractions.
25. Compare the fractions  $\frac{5}{6}$  and  $\frac{8}{9}$ .
26. Arrange the fractions  $\frac{2}{3}$  and  $\frac{1}{6}, \frac{5}{9}$  and  $\frac{7}{12}$  in ascending order.
27. Find the sum:  $\frac{7}{12} + \frac{11}{16} + \frac{9}{24}$ .
28. Find the value of  $968 \times 73 + 968 \times 27$ .
29. Find the product:  $4 \times 2995 \times 250$ .
30. Divide 530680 by 257 and check the result by the division algorithm.

**SECTION – D**

31. Tanvi bought a notebook for Rs  $8\frac{3}{4}$  and a pen for Rs  $10\frac{2}{5}$ . How much money should she pay to the shopkeeper? **3**
32. The number of sheets of paper available for making notebook is 75,000. Each sheet makes 8 pages of a notebook. Each notebook contain 200 pages. How many notebooks can be made from the paper available? **3**
33. Find each of the following products: **4**
  - (i)  $36 \times (-17)$                       (ii)  $(-60) \times (-21)$
34. Convert each of the following into a mixed fraction: **4**
  - (i)  $\frac{23}{5}$                       (ii)  $\frac{37}{6}$
35. Convert each of the following into an improper fraction: **4**
  - (i)  $3\frac{4}{5}$                       (ii)  $6\frac{5}{8}$
36. Draw a rough sketch of a quadrilateral KLMN. State, **4**
  - (a) two pairs of opposite sides,
  - (b) two pairs of opposite angles,
  - (c) two pairs of adjacent sides,
  - (d) two pairs of adjacent angles.