

GENERAL INSTRUCTIONS:

Section – A: $30 \times 1 = 30$ Each question carries 1 mark.

Section – B: $8 \times 3 = 24$ Each question carries 3 mark. All questions are compulsory.

Section – C: $4 \times 5 = 20$ Each question carries 5 mark. Answer any four questions (Q. No. 42 Compulsory)

Section – D: Graph: $6 \times 1 = 6$ (Compulsory)

SECTION – A

I. Multiple choice questions: 10x1=10

1. In x^3 , x is a _____.
a) Variable b) Base c) Exponent d) Index
2. LHS = RHS then it is an _____.
a) Equation b) Not an equation c) Expression d) Symbol
3. A ____ represents data through pictures of objects.
a) Tally b) Pictograph c) Bar graph d) Symbol
4. ____ can be expressed in the form of fraction.
a) Proportion b) Ratio c) Literals d) Expression
5. The number ____ has no predecessor in natural numbers.
a) 0 b) 1 c) 2 d) 3
6. A group of digits denoting a number is called _____.
a) Symbols b) Variables c) Quantity d) Numerals
7. ____ is the smallest natural number.
a) 0 b) 1 c) 2 d) 3
8. In tally marks, which one of the following represent the number seven
a) |||| b) |||||| c) ||||| d) ||||
9. ____ alphabet look the same after reflection.
a) Q b) K c) O d) P
10. 10 rupee = ____ paise.
a) 10,000 b) 1000 c) 100 d) 1050

II. Match Me:

10x1=10

GROUP - A

- | | | |
|-------------|---|-------------|
| 11. $2xy$ | - | 1,00,00,000 |
| 12. $x + 5$ | - | $-5 + 5$ |
| 13. $::$ | - | Expression |
| 14. 1 crore | - | Monomial |
| 15. 0 | - | Proportion |

GROUP – B

- | | | |
|-----------------------------|---|----------------------------|
| 16. 16 | - | Smallest whole number |
| 17. 2 | - | Prime Number |
| 18. 0 | - | Smallest Even Prime Number |
| 19. Odd Number + Odd Number | - | Square Number |
| 20. 37 | - | Even Number |

III. Complete Me:

10x1=10

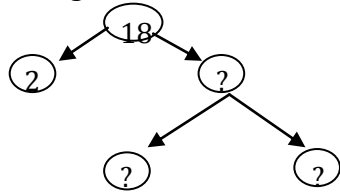
21. The method of finding the price of one object is called ____ method.
22. In proportion first and fourth terms are known as ____ terms.
23. Successor of 999 is _____.
24. Place value of 4 in 10486 is _____.
25. Every natural number is a ____ number.
26. There are ____ prime numbers between 1 and 100.
27. In Bar graph, horizontal axis are said to be as ____ axis.
28. The number of lines of symmetry of a square is _____.
29. Quarter past 6.00 is equal to _____.
30. $158 = \text{_____} + 106$.

SECTION - B

IV. Solve the following:

$8 \times 3 = 24$

- 31. If $x + 7 = 20$, find the value of x .
- 32. If the cost of 1kg of apples is ₹12, then find the cost of 10kg of apples.
- 33. Insert commas and write the name in Indian system 60547.
- 34. How many whole numbers are there between 55 and 75?
- 35. Find the missing factors:





36. Give $\frac{1}{4}$ turn and $\frac{1}{2}$ turn for the figure



37. Write the no. of lines of symmetry for the following:



38. In a pictograph, if a symbol  represents 20 flowers in a basket then  stands for, how many number of flowers?

SECTION - D

V. Do the sums: (Any 4, Q. No. 42 compulsory)

$4 \times 5 = 20$

- 39. Give expression for the following cases:
 - a) 11 added to $2y$. (1)
 - b) y is subtracted from x . (1)
 - c) x is multiplied by 0. (1)
 - d) x divided by z . (1)
 - e) x divided by 0. (1)

40. Find the ratio of the following:

- i) 100 paise to ₹1 ii) 30mins to 1 hour iii) 12 to 15

41. Find the predecessor of 99999, for the solution insert commas and write international system of numeration.

- 42. The population of the city was, 9,65,002 in the year 1998. In the year 2008 it was found to be increased by 1,05,550 again it was found to be decreased by 525 in the year 2009. List the population in the year 1998, 2008 and 2009.
- 43. Using divisibility test, check whether 10780524 is divisible by 6.

SECTION - D

VI. Graph:

$6 \times 1 = 6$

44. Total number of books sold by a seller on four consecutive days is shown below.

Days	Sunday	Monday	Tuesday	Wednesday
No. of books sold	55	45	35	20

Draw a bar graph to represent the above information choosing the scale 1 unit length = 5 books.