

## SECTION - 1

1. 34628 less than 84103

= \_\_\_\_\_

- (a) 44475 (b) 44975  
(c) 49975 (d) 49475

2. 5326 more than 36385

= \_\_\_\_\_

- (a) 47171 (b) 41711  
(c) 41771 (d) 47711

3.  $(6835 - 2867) + (1365)$

= \_\_\_\_\_

- (a) 5333 (b) 5353  
(c) 5533 (d) 5553

4.

$$\begin{array}{r} 543 \boxed{A} \\ + 36 \boxed{B} 7 \\ \hline 9 \boxed{C} 55 \end{array}$$

A + B + C =

- (a) 4 (b) 19  
(c) 14 (d) 9

5. 5522 is \_\_\_\_\_ hundreds more than 3322.

- (a) 23 (b) 2100  
(c) 22 (d) 2300

6.

$$\begin{array}{r} 386 \\ \times 437 \\ \hline \end{array}$$

- (a) 166682 (b) 168882  
(c) 168682 (d) 168622

7.  $24 \overline{)4464}$

- (a) 175 (b) 186  
(c) 157 (d) 168

8.  $(14 \overline{)126}) + (16 \times 7) - (13 \overline{)169})$

= \_\_\_\_\_

- (a) 108 (b) 94  
(c) 96 (d) 112

9.  $[11 \times 6] - [18 \times 8] - [7 \times 12]$

- (a) 156 (b) 162  
(c) -162 (d) -156

10.  $\frac{48}{104} = \frac{6}{\square}$

The missing number is

- (a) 12 (b) 11  
(c) 15 (d) 13

11.  $\frac{3}{7} \div \frac{27}{49} \times \frac{9}{14} = \square$

- (a)  $\frac{3}{7}$  (b) 3  
(c) 1 (d)  $\frac{1}{2}$

12.  $3\frac{1}{5} \times 65 = \underline{\hspace{2cm}}$

- (a) 208 (b) 149  
(c) 166 (d) 157

13. (Quarter of 268) – (One fifth of 335) = \_\_\_\_\_

- (a) -14                      (b) -12  
(c) 12                        (d) 0

14. Square of 23 + Square of 19 = \_\_\_\_\_

- (a) 1150                      (b) 770  
(c) 890                        (d) 1230

15. Cube of 7 – Cube of 11 = \_\_\_\_\_

- (a) 898                        (b) -988  
(c) 988                        (d) -898

16. The sum of divisors of 46 is \_\_\_\_\_

- (a) 82                         (b) 72  
(c) 64                         (d) 88

17. 11 kg 439 g = \_\_\_\_ + 7 kg 585 g

- (a) 3.762 kg                (b) 3.654 kg  
(c) 3.854 kg                (d) 3.884 kg

18. The next number in the series is \_\_\_\_\_

43, 66, 112, 181, \_\_\_\_\_

- (a) 319                        (b) 273  
(c) 253                        (d) 329

19.  $\sqrt{784} \div \sqrt{49} =$  \_\_\_\_\_

- (a) 4                            (b) 12  
(c) 1                            (d) 15

20.  $14.6 + 31.25 - 17.13 =$  \_\_\_\_\_

- (a) 26.62                      (b) 26.72  
(c) 28.72                      (d) 28.62

## SECTION - 2

- 21.**  $A - 3467 = 2845$   
 $A = B + 946$   
 Find the value of B  
 (a) 5636 (b) 5366  
 (c) 5566 (d) 5336
- 22.**  $7[-14 + \{13 - 6(-11 - 4)\}] = \underline{\hspace{2cm}}$   
 (a) 623 (b) 487  
 (c) -487 (d) -623
- 23.**  $[153 \div (-17)] \div [-15 \times -3] = \underline{\hspace{2cm}}$   
 (a) 5 (b)  $\frac{1}{5}$   
 (c) 1 (d)  $-\frac{1}{5}$
- 24.**  $0.365 \times 1.5 = \underline{\hspace{2cm}}$   
 (a) 0.5745 (b) 0.5475  
 (c) 0.4755 (d) 0.4575
- 25.**  $2.24 \div 2.8 = \underline{\hspace{2cm}}$   
 (a) 0.8 (b) 8  
 (c) 0.08 (d) 0.008
- 26.** The L.C.M of 16, 20, 24  
 is \_\_\_\_\_  
 (a) 160 (b) 220  
 (c) 216 (d) 240
- 27.** The H.C.F of 18, 22, 26 is  
 \_\_\_\_\_  
 (a) 1 (b) 4  
 (c) 2 (d) 3
- 28.** The sum of all prime divisors  
 of 190 is \_\_\_\_\_  
 (a) 16 (b) 18  
 (c) 22 (d) 26
- 29.** 36% of 350 = \_\_\_\_\_  
 (a) 126 (b) 164  
 (c) 208 (d) 188
- 30.** In 7 innings Dravid scored  
 14, 12, 35, 3, 21, 28, 6.  
 His average score is \_\_\_\_\_  
 (a) 12 (b) 17  
 (c) 15 (d) 19
- 31.** 712 Decametre = \_\_\_\_\_ metre  
 (a) 0.712 (b) 71.2  
 (c) 7120 (d) 71200
- 32.**  $[9^2 - 17^2 + 23^2] - [\sqrt{841}] = \underline{\hspace{2cm}}$   
 (a) 197 (b) 161  
 (c) 233 (d) 292
- 33.** The measure of an angle is  
 $\left(38\frac{1}{3}\right)^\circ$ . Find the measure of  
 its complementary angle  
 (a)  $\left(51\frac{2}{3}\right)^\circ$  (b)  $37^\circ$   
 (c)  $\left(53\frac{1}{3}\right)^\circ$  (d)  $38^\circ$

- 34.** The length of congruent sides of isosceles triangle is 22.6 cm and perimeter is 60.8 cm. The length of 3<sup>rd</sup> side is \_\_\_ cm  
(a) 38.2 (b) 18.4  
(c) 15.6 (d) 106
- 35.**  $14.4 - p + 9.05 = 22.37$ , find the value of 'p'.  
(a) 1.08 (b) -1.08  
(c) -0.08 (d) 0.08
- 36.** Perimeter of square = 138 cm  
its each side = \_\_\_\_\_ cm  
(a) 34 (b) 36  
(c) 36.5 (d) 34.5
- 37.** Write an algebraic expression for the statement, sum of 't' and 15 subtracted from Twenty five.  
(a)  $25(t + 15)$  (b)  $25 - (t + 15)$   
(c)  $(t + 15) - 25$  (d)  $\frac{t+15}{25}$
- 38.** If ₹ 715 is divided between Jack & John in the ratio 4 : 7, what is Jack's share ?  
(a) ₹360 (b) ₹260  
(c) ₹320 (d) ₹460
- 39.** Which of the following is the Roman numeral for the number obtained when 135 is multiplied by 17 ?  
(a) MMCCXV (b) MCCXCV  
(c) MMCXIV (d) MMCCXCV
- 40.** How many lines of symmetry does letter **S** has ?  
(a) 0 (b) 2  
(c) 1 (d) 3

## SECTION - 3

41. A shephard has some Goats and Sheeps. The total number of Goats and Sheeps he has is 80. Which of the following cannot be the ratio of the number of Goats to the number of Sheeps ?  
(a) 2 : 3                      (b) 3 : 5                      (c) 1 : 3                      (d) 2 : 5
42. Divide 0.63 by 2.8?  
(a) 2.25                      (b) 0.225                      (c) 22.5                      (d) 225
43. Mr. Suraj travels 420 km in 7 hours. How long will he take to travel 510 km ?  
(a) 8.5 hrs                      (b) 8 hrs                      (c) 7.5 hrs                      (d) 7 hrs
44. Rahul and Draavid had a total 24 stamps. Rahul then gave 3 stamps to Draavid. Both of them had an equal number of stamps in the end. How many stamps did Draavid have at first?  
(a) 24                      (b) 15                      (c) 9                      (d) 6
45.  $\frac{\sqrt{m+9}}{5} = 10 - 3$ , find the value of m  
(a) 676                      (b) 28                      (c) 576                      (d) 26
46. A square table seat 12 people with 3 persons on each side. If 6 such tables are put end to end in a row, how many peoples can be seated ?  
(a) 40                      (b) 36                      (c) 21                      (d) 42

47. The mass of box A is 6 kg more than the mass of box B. The mass of box A is 4 times the mass of box C. What is the mass of Box B if mass of box C is 11 kg?
- (a) 44                      (b) 38                      (c) 66                      (d) 11
48. Find the 15th term in the number sequence. 3, 7, 11, 13, .....
- (a) 48                      (b) 52                      (c) 59                      (d) 63
49. The square plot has a side 60 m long. Find the cost of levelling it at ₹8.25 per sq.metre ?
- (a) ₹ 29,700              (b) ₹ 2970              (c) ₹ 29.70              (d) ₹ 297
50. Solve :  $[175 + 3\{21 \times (-2) - 6 (44 \div 4 - 8)\}]$
- (a) -15                      (b) 25                      (c) -5                      (d) 40

## SECTION - 1

1. 96210 less than 101010

= \_\_\_\_\_

- (a) 4800 (b) 4900  
(c) 4700 (d) 4400

2. 6281 more than 43216

= \_\_\_\_\_

- (a) 46467 (b) 49497  
(c) 47477 (d) 48487

3.  $(6363 - 3636) + (2103) =$  \_\_\_\_\_

- (a) 4810 (b) 4820  
(c) 4830 (d) 4840

$$\begin{array}{r} 3 \text{ [A]} 6 1 \\ + 1 1 1 \text{ [B]} \\ \hline 5 0 \text{ [C]} 2 \end{array}$$

A + B + C =

- (a) 14 (b) 15  
(c) 16 (d) 17

5. 5261 is \_\_\_\_\_ hundreds more than 4161.

- (a) 110 (b) 1100  
(c) 11 (d) 100

$$\begin{array}{r} 2 9 6 \\ \times 3 2 4 \\ \hline \hline \end{array}$$

- (a) 93904 (b) 95914  
(c) 95904 (d) 93914

7.  $22 \overline{)11792}$

- (a) 425 (b) 526  
(c) 525 (d) 536

8.  $(18 \overline{)108}) + (15 \times 4) - (11 \overline{)99})$

= \_\_\_\_\_

- (a) 57 (b) 56  
(c) 58 (d) 55

9.  $[10 \times 10] - [5 \times 16] - [6 \times 23]$

- (a) -180 (b) 118  
(c) -118 (d) 108

10.  $\frac{48}{116} = \frac{12}{\square}$

The missing number is

- (a) 25 (b) 27  
(c) 29 (d) 31

11.  $\frac{9}{10} \times \frac{4}{18} \div \frac{12}{9} = \frac{\square}{\square}$

- (a)  $\frac{1}{20}$  (b)  $\frac{7}{20}$   
(c)  $\frac{5}{20}$  (d)  $\frac{3}{20}$

12.  $4\frac{6}{7} \times 63 =$  \_\_\_\_\_

- (a) 296 (b) 306  
(c) 316 (d) 496

13. (One third of 186) -  $\left(\frac{1}{4}\text{ of } 288\right)$   
= \_\_\_\_\_  
(a) -12 (b) 10  
(c) -10 (d) 12
14. Square of 15 - Square of 9  
= \_\_\_\_\_  
(a) 96 (b) 144  
(c) 224 (d) 288
15. Cube of 11 + Cube of 8 = \_\_\_\_\_  
(a) 1643 (b) 1743  
(c) 1943 (d) 1843
16. The sum of divisors of 96 is  
\_\_\_\_\_  
(a) 256 (b) 242  
(c) 252 (d) 262
17. 8 l 498 ml = 2 l 998 ml + \_\_\_\_\_  
(a) 6.5 l (b) 4.5 l  
(c) 5.5 l (d) 5.6 ml
18. The next number in the series is \_\_\_\_\_  
79, 114, 184, 324  
(a) 604 (b) 614  
(c) 504 (d) 514
19.  $\sqrt{324} \div \sqrt{81} =$  \_\_\_\_\_  
(a) 0 (b) 1  
(c) 3 (d) 2
20.  $9.6 - 18.729 + 14 =$  \_\_\_\_\_  
(a) 5.861 (b) 5.871  
(c) 4.861 (d) 4.871



## SECTION - II

- 21.**  $A - 3279 = 2151$   
 $1264 + B = A$   
 Find the value of B  
 (a) 4066 (b) 4166  
 (c) 4266 (d) 4366
- 22.**  $6[-15 + \{3 - 2(-1 - 3)\}] = \underline{\hspace{2cm}}$   
 (a) -22 (b) 24  
 (c) -24 (d) 22
- 23.**  $[96 \div (-12)] \div [16 \times -4] = \underline{\hspace{2cm}}$   
 (a) 7 (b)  $\frac{1}{7}$   
 (c) 8 (d)  $\frac{1}{8}$
- 24.**  $3.21 \times 0.08 = \underline{\hspace{2cm}}$   
 (a) 0.2568 (b) 2.568  
 (c) 25.68 (d) 0.02568
- 25.**  $12.6 \div 0.18 = \underline{\hspace{2cm}}$   
 (a) 0.070 (b) 0.7  
 (c) 7 (d) 70
- 26.** The L.C.M of 18, 24 and 42 is \_\_\_\_\_  
 (a) 514 (b) 504  
 (c) 524 (d) 534
- 27.** The H.C.F of 16, 32, 34 is \_\_\_\_\_  
 (a) 0 (b) 2  
 (c) 1 (d) 17
- 28.** The sum of all prime divisors of 150 is = \_\_\_\_\_  
 (a) 8 (b) 9  
 (c) 10 (d) 12
- 29.** 30% of 830 = \_\_\_\_\_  
 (a) 249 (b) 259  
 (c) 269 (d) 279
- 30.** In 7 innings Kartik scored 30, 28, 55, 99, 80, 75, 88  
 His average score is \_\_\_\_\_  
 (a) 51 (b) 49  
 (c) 46 (d) 47
- 31.** 545 decalitre = \_\_\_\_\_ centilitre  
 (a) 0.545 (b) 5.45  
 (c) 54500 (d) 545000
- 32.**  $[5^2 + 8^2 + 12^2] - [\sqrt{1225}] = \underline{\hspace{2cm}}$   
 (a) 189 (b) 198  
 (c) 216 (d) 126
- 33.** The measure of an angle is  $39.8^\circ$ . Find the measure of its complementary angle  
 (a)  $50.2^\circ$  (b)  $51.2^\circ$   
 (c)  $140.2^\circ$  (d)  $141.2^\circ$

34. The length of congruent sides of isosceles triangle is 19.4 cm and perimeter is 56 cm. The length of 3<sup>rd</sup> side is \_\_\_\_\_ cm
- (a) 15.2 (b) 16.2  
(c) 18.2 (d) 17.2

35.  $4.5 - x + 5.05 = 9.005$ , find the value of 'x'.
- (a) 1.545 (b) 0.445  
(c) 0.545 (d) 1.445

36. Perimeter of rectangle = 180m  
Length = 58 m,  
Breadth = ?
- (a) 32 m (b) 30 m  
(c) 34 m (d) 36 m

37. Write the algebraic expression for the statement, 12 less than the quotient of x and 3 equals 9.

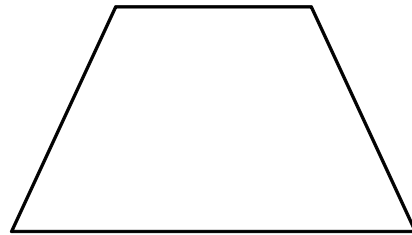
- (a)  $\frac{x}{3} - 12 = 9$  (b)  $9 - \frac{x}{3} = 12$   
(c)  $12 - \frac{3}{x} = 9$  (d)  $3 - \frac{x}{9} = 12$

38. If ₹ 720 is divided between Ramesh & Suresh in the ratio 9 : 7, what is Suresh's share ?
- (a) ₹295 (b) ₹305  
(c) ₹325 (d) ₹315

39. Which of the following is the Roman numeral for the number obtained when 165 is multiplied by 8 ?

- (a) MCCCXXI (b) MCCLXX  
(c) MCCXX (d) MCCCXX

40. How many lines of symmetry does the given figure have ?



- (a) 0 (b) 1  
(c) 2 (d) 3

## SECTION - III

41. Divide 1.68 by 2.8?  
(a) 0.06                      (b) 0.6                      (c) 0.006                      (d) 6
42.  $10.8 \div 9 + 0.39 \times 10 - 2.5 = \underline{\hspace{2cm}}$   
(a) 2.4                      (b) 2.5                      (c) 2.6                      (d) 2.7
43. The square plot has a side 49 m long. Find the cost of fencing it at ₹7.25 per sq.metre ?  
(a) ₹ 1421                      (b) ₹ 1412                      (c) ₹ 1423                      (d) ₹ 1431
44. What is the 19<sup>th</sup> term of the sequence shown ?  
29, 42, 55, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
(a) 263                      (b) 273                      (c) 237                      (d) 236
45. Find the difference of the greatest and least numbers of five digits formed by using 0, 2, 4, 6 and 8 only once.  
(a) 64952                      (b) 65952                      (c) 65852                      (d) 64852

46. Which of the following expression is correct.
- (a)  $7 \div 7 + 7 \times 7 = 14$                       (b)  $7 - 7 \div 7 \times 7 = 14$   
(c)  $7 \times 7 \div 7 + 7 = 14$                       (d)  $7 - 7 \times 7 + 7 = 14$
47.  $A + B = 4900$ ,  $B + C = 2800$   
 $B = 3$  times of  $C$ , Find the value of  $A$ .
- (a) 2500                      (b) 2600                      (c) 2700                      (d) 2800
48. Amit and Ajay had a total 28 stamps. Amit then gave 4 stamps to Ajay. Both of them had an equal number of stamps in the end. How many stamps did Ajay have at first?
- (a) 16                      (b) 10                      (c) 12                      (d) 18
49. Which of the following numbers is perfect square number \_\_\_\_\_
- (a) 7744                      (b) 7722                      (c) 7614                      (d) 7516
50. The table shows the rates of charges at a car park. Monty parked his car at the car park from 9.30 am to 6.00 pm. How much did he have to pay.
- |                 |               |
|-----------------|---------------|
| 7.00 am to 4 pm | ₹ 64 per hour |
| After 4.00 pm   | ₹ 98 per hour |
- (a) ₹ 622                      (b) ₹ 512                      (c) ₹ 612                      (d) ₹ 522

## SOLUTION - Paper-1

1	d	11	d	21	b	31	c	41	d
2	b	12	a	22	a	32	d	42	b
3	a	13	d	23	d	33	a	43	a
4	d	14	c	24	b	34	c	44	c
5	c	15	b	25	a	35	a	45	a
6	c	16	b	26	d	36	d	46	d
7	b	17	c	27	c	37	b	47	b
8	a	18	b	28	d	38	b	48	c
9	c	19	a	29	a	39	d	49	a
10	d	20	c	30	b	40	a	50	c

## SOLUTION - Paper-2

1	a	2	b	3	c	4	d	5	c	6	c	7	d	8	a	9	c	10	c
11	d	12	b	13	c	14	d	15	d	16	c	17	c	18	a	19	d	20	d
21	b	22	c	23	d	24	a	25	d	26	b	27	b	28	a	29	a	30	c
31	d	32	b	33	a	34	d	35	c	36	a	37	a	38	d	39	d	40	b
41	b	42	c	43	a	44	a	45	b	46	c	47	d	48	b	49	a	50	c