

## NUMERICAL APTITUDE QUESTIONS

1.  $(95.6 \times 910.3) \div 92.56256 = ?$

- (A) 13.14
- (B) 12.96
- (C) 12.43
- (D) 13.34
- (E) None of these

2.  $(486\% \text{ of } 6500) \div 36 = ?$

- (A) 867.8
- (B) 792.31
- (C) 877.5
- (D) 799.83
- (E) None of these

3.  $(12.11)^2 + (?)^2 = 732.2921$

- (A) 20.2
- (B) 24.2
- (C) 23.1
- (D) 19.2
- (E) None of these

4.  $576 \div ? \times 114 = 8208$

- (A) 8
- (B) 7
- (C) 6
- (D) 9
- (E) None of these

5.  $(1024 - 263 - 233) \div (986 - 764 - 156) = ?$

- (A) 9
- (B) 6
- (C) 7
- (D) 8
- (E) None of these

6.  $?125 \div 5 \times ? = 6265$

- (A) 1253
- (B) 1250
- (C) 1245
- (D) 1550
- (E) None of these

7.  $(42)^2 \div 6.3 \times 26 = ?$

- (A) 7182
- (B) 7269
- (C) 7260
- (D) 7240
- (E) None of these

8.  $384 \times 12 \times 2 = ?$

- (A) 9024
- (B) 9216
- (C) 6676
- (D) 6814
- (E) None of these

9.  $6534 \div 40 \div 33 = ?$

- (A) 3.06
- (B) 5.25
- (C) 4.82
- (D) 6.12
- (E) None of these

10.  $?2704 \times ?2209 = ?$

- (A) 1996
- (B) 2444
- (C) 2452
- (D) 1983
- (E) None of these

11.  $2536 + 4851 - ? = 3450 + 313$

- (A) 3961
- (B) 4532
- (C) 3624
- (D) 4058
- (E) None of these

12.  $(2560 \times 1.4) + (7400 \times 0.6) = ?$

- (A) 7512
- (B) 9746
- (C) 6523
- (D) 8024
- (E) None of these

13.  $36\% \text{ of } 850 + ? \% \text{ of } 592 = 750$

- (A) 73
- (B) 89
- (C) 82
- (D) 75
- (E) None of these

14.  $64\% \text{ of } 2650 + 40\% \text{ of } 320 = ?$

- (A) 1824
- (B) 1902
- (C) 1829
- (D) 1964
- (E) None of these

15.  $486 + 32 \times 25 - 59 = ?$

- (A) 514
- (B) 528
- (C) 599
- (D) 507
- (E) None of these

16.  $1827 \div 36 \times ? = 162.4$

- (A) 4.4
- (B) 3.2
- (C) 2.1
- (D) 3.7
- (E) None of these

17.  $1008 \div 36 = ?$

- (A) 28
- (B) 32.5
- (C) 36
- (D) 22.2
- (E) None of these

18.  $56.21 + 2.36 + 5.41 - 21.4 + 1.5 = ?$

- (A) 40.04
- (B) 46.18
- (C) 44.08
- (D) 43.12
- (E) None of these

19.  $65\% \text{ of } 320 + ? = 686$

- (A) 480
- (B) 452
- (C) 461
- (D) 475
- (E) None of these

20.  $83250 \div ? = 74 \times 25$

- (A) 50
- (B) 45
- (C) 40
- (D) 55
- (E) None of these

21.  $?7744 = ?$

- (A) 88
- (B) 62
- (C) 58
- (D) 78
- (E) None of these

22.  $35\% \text{ of } ? = 242$

- (A) 729
- (B) 652
- (C) 693
- (D) 759
- (E) None of these

23.  $1256 + 4813 + 765 = ?$

- (A) 5642
- (B) 5876
- (C) 6788

- (D) 6878  
(E) None of these

24.  $22 \times 4 + (?)^2 = (13)^2$

- (A) 81  
(C) 27  
(B) 9  
(D) 64  
(E) None of these

25.  $432 + 2170 + 35 = ?$

- (A) 494  
(B) 475  
(C) 481  
(D) 469  
(E) None of these

26. Three numbers are in the ratio of 3 : 4 : 5 respectively. If the sum of the first and third numbers is more than the second number by 52, then which will be the largest number?

- (A) 65  
(B) 52  
(C) 79  
(D) 63  
(E) None of these

27. The compound interest on a certain amount for 2 years at the rate of 8 p.c.p.a. is Rs.312. What will be the simple interest on the same amount and at the same rate and same time?

- (A) Rs. 349.92  
(B) Rs. 300  
(C) Rs. 358.92  
(D) Rs. 400  
(E) None of these

28. The length of a rectangle exceeds its breadth by 7 cms. If the length is decreased by 4 cm. and the breadth is increased by 3 cms., then the area of the new rectangle will be the same as the area of the original rectangle. What will be the perimeter of the original rectangle?

- (A) 45 cms.  
(B) 40 cms.  
(C) 50 cms.  
(D) 55 cms.  
(E) None of these

29. The sum of the digits of a two digit number is 12. If the new number formed by reversing the digits is greater than the original number by 54, then what will be the original number?

- (A) 28  
(B) 48  
(C) 39  
(D) 93  
(E) None of these

30. In a fraction, twice the numerator is two more than the denominator. If 3 is added to the numerator and the denominator each, then the resultant fraction will be  $\frac{2}{3}$ . What was the original fraction ?

- (A)  $\frac{5}{18}$
- (B)  $\frac{6}{13}$
- (C)  $\frac{13}{6}$
- (D)  $\frac{7}{12}$
- (E) None of these

31. Four-fifth of a number is 10 more than two-third of the same number. What is the number?

- (A) 70
- (B) 75
- (C) 69
- (D) 85
- (E) None of these

32. A shopkeeper purchased 200 bulbs for Rs. 10 each. However, 5 bulbs were fused and had to be thrown away. The remaining were sold at Rs. 12 each. What will be the percentage

profit?

- (A) 25
- (B) 15
- (C) 13
- (D) 17
- (E) None of these

33. What should come in the place of question mark (?) in the number series given below?

25, 34, 52, 79, 115, ?

- (A) 160
- (B) 140
- (C) 153
- (D) 190
- (E) None of these

34. What number should replace both the question marks (?) in the following question ?

$\frac{?}{144} = 49 \div ?$

- (A) 95
- (B) 76
- (C) 82
- (D) 84
- (E) None of these

35. The sum of three consecutive even numbers is 252. What is the sum of the smallest and the largest numbers?

- (A) 158
- (B) 148
- (C) 168
- (D) 198
- (E) None of these

36. Ajay spends 25% of his salary on house rent, 5% on food, 15% on travel, 10% on clothes and the remaining amount of Rs. 27,000 is saved.

What is Ajay's income?

- (A) Rs. 60,000
- (B) Rs. 80,500
- (C) Rs. 60,700
- (D) Rs. 70,500
- (E) None of these

37. In how many different ways, can the letters of the word 'CRISIS' be arranged ?

- (A) 150
- (B) 240
- (C) 120
- (D) 200
- (E) None of these

38. At each corner of a square park with side equal to 40 m, there is a flower bed in the form of a sector of radius 14 m. What is the area of the remaining part of the park?

- (A) 984 Square m
- (B) 789 Square m
- (C) 1014 Square m
- (D) 1024 Square m
- (E) None of these

39. The length of a rectangular field is thrice its breadth. If the cost of cultivating the field at Rs. 367.20 per square meter is Rs. 27,540, then what is the perimeter of the rectangle?

- (A) 47m
- (B) 39m
- (C) 52m
- (D) 40m
- (E) None of these

40. If the fractions  $\frac{8}{5}, \frac{7}{2}, \frac{9}{5}, \frac{5}{4}, \frac{4}{5}$  are arranged in descending order of their values, which one will be fourth?

- (A)  $\frac{4}{5}$
- (B)  $\frac{5}{4}$
- (C)  $\frac{9}{5}$
- (D)  $\frac{8}{5}$
- (E)  $\frac{7}{2}$

41. The present ages of Chetna and Shikha are in the ratio of 5 : 7 respectively. After 7 years, their ages will be in the ratio of 11 : 14 respectively. What is the difference between their ages?

- (A) 9 years
- (B) 4 years
- (C) 5 years
- (D) 7 years
- (E) None of these

42. If 13 men can complete a piece of work in 36 days, then in how many days will 18 men complete the same work?

- (A) 16 days
- (B) 20 days
- (C) 26 days
- (D) 30 days
- (E) None of these

43. If the area of a circle is 75.44 square cm then what is the circumference of the circle?

- (A) 29.2 cm
- (B) 28.9 cm
- (C) 30.8 cm
- (D) 40.2 cm
- (E) None of these

44. Girish started a business investing Rs. 45,000. After 3 months, Vijay joined him with a capital of Rs. 60,000. After another 6 months, Ankush joined them with a capital of Rs. 90,000. At the end of the year, they made a profit of Rs. 16,500. What is Girish's share of profit ?

- (A) Rs. 5,500
- (B) Rs. 6,000
- (C) Rs. 6,600
- (D) As. 5,900
- (E) None of these

45. What is the average age of a family of five members, whose ages are 42, 49, 56, 63 and 35 years respectively?

- (A) 60 years
- (B) 49 years
- (C) 45 years
- (D) 58 years
- (E) None of these

46. A and B are two taps which can fill a tank individually in 10 minutes and 20 minutes respectively. However, there is a leakage at the bottom which can empty a filled tank in 40 minutes. If the tank is empty initially, how much time will both the taps take to fill the tank (leakage is still there) ?

- (A) 8 minutes
- (B) 7 minutes
- (C) 10 minutes
- (D) 15 minutes
- (E) None of these

47. What is 50% of 40% of Rs. 3,450?

- (A) Rs. 690
- (B) As. 520
- (C) Rs. 517.5
- (D) Rs. 499.2
- (E) None of these

48. If an amount of Rs. 5,86,700 is distributed equally amongst 25 persons, then how much would each person get?

- (A) Rs. 2,54,876
- (B) Rs. 2,34,68
- (C) Rs. 3,74,20
- (D) Rs. 1,95,62
- (E) None of these

49. An urn contains 9 blue, 7 white and 4 black balls. If 2 balls are drawn at random, then what is the probability that only one ball is white?

- (A)  $71/190$
- (B)  $121/190$
- (C)  $91/190$
- (D)  $93/190$
- (E) None of these

50. If the price of 5 transistors and 2 pen stands is Rs. 810, then what will be the price of 7 transistors and 9 pen stands?

- (A) Rs. 1,320
- (B) Rs. 1,500
- (C) Rs.1,150
- (D) Cannot be determined
- (E) None of these

ANSWERS:

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