

NUMERICAL APTITUDE TEST - 1

Direction (1 – 15): What should come in the place of question mark (?) in each of the following questions?

1) $762.78 \times 3.5 + 112.47 = ? - 1518.94$

- a) 4291.14
b) 4301.14
c) 5941.14
d) 4201.14
e) None of the above Ans: b

2) $8024 + 6913 + 3875 = ?$

- a) 18722
b) 18992
c) 18812
d) 18092
e) None of the above Ans : c

3) $8569 - 2624 - 1015 = ?$

- a) 4840 b) 4930 c) 4390 d) 5020 e) None of the above Ans : b

4) $8 \frac{2}{3} + 1 \frac{4}{9} + 3 \frac{2}{3} = ?$

- a) $15 \frac{7}{9}$ b) $8 \frac{2}{3}$ c) $6 \frac{2}{3}$ d) $9 \frac{2}{3}$ e) None of these Ans : d

5) $? - 7328.96 = 5169.38$

- a) 12408.34 b) 12948.34 c) 12498.24 d) 12488.34 e) None of the above Ans: e

6) $7200 \div 90 \div 20 = ?$

- a) 1600 b) 8 c) 16 d) 4 e) None of the above Ans : d

7) $28\sqrt{?} \div 1426 = \frac{3}{4}$ of 2872

- a) 676 b) 576 c) 1444 d) 1296 e) None of the above Ans : a

8) $56\% \text{ of } 400 + \frac{3}{5} \text{ of } 800 + 132$

- a) 144 b) 388 c) 302 d) 288 e) None of the above Ans : b

9) $832.58 - 242.31 = 779.84 - ?$

- a) 295.05 b) 179.57 c) 199.57 d) 171.57 e) None of the above Ans : e

10) $\frac{14 \times 35 - 12 \times 15}{3 \times 5.6 \times 14.2} = ?$

- a) 50 b) 1 c) 10 d) $5 \frac{1}{5}$ e) None of the above Ans : c

11) $\sqrt{7056} + ? = 24\% \text{ of } 2400$

a) 482 b) 588 c) 372 d) 492 e) None of the above Ans : d

12) $6\frac{1}{3}$ of 168 + 138.4 + ? = 2259.6

a) 1169.20 b) 1113.20 c) 942.80 d) 1327.20 e) None of the above Ans : e

13) $12\frac{1}{7} + 1\frac{3}{14} + 3\frac{1}{12} = ?$

a) $13\frac{1}{12}$ b) $10\frac{1}{12}$ c) $13\frac{1}{4}$ d) $12\frac{1}{12}$ e) None of the above Ans : a

14) $9394 - 3886 = 8.5 \times ?$

a) 846 b) 648 c) 758 d) 650 e) None of the above Ans : b

15) $3640 \div 14 \times 16 + 340 = ?$

a) 0.70 b) 9600 c) 4480 d) 3525 e) None of these Ans : e

Directions (16 – 25): What should come in the place of question mark (?) in the following questions?

16) $6\sqrt{?} + 1078 = 1606 - 304$

a) 196 b) 256 c) 324 d) 144 e) None of the above Ans : a

17) $1080 \times 45 + 15 = ?$

a) 64800 b) 48615 c) 47715 d) 16245 e) None of the above Ans : b

18) $\frac{160 \times 16 - 8 \times 20}{15 \times 20 - 5 \times 40} = ?$

a) 12 b) 8 c) 3 d) 24 e) None of the above Ans : d

19) $8635 - (3018 + 2179) = ?$

a) 3168 b) 7796 c) 2898 d) 3438 e) None of the above Ans : d

20) $1058 + \frac{3}{5}$ of 1365 = ? + 539

a) 1338 b) 1348 c) 1238 d) 1611 e) None of the above Ans : a

21) $9329 - ? = 4215 + 2738$

a) 6953 b) 2276 c) 2476 d) 2736 e) None of these Ans : e

22) $40.8 \div 0.04 = ? - 305.7$

a) 2345.7 b) 1325.7 c) 714.3 d) 1335.7 e) None of the above Ans : b

23) $3324 + 8164 + 1096 = ?$

a) 13007 b) 12557 c) 12567 d) 12917 e) None of these Ans : e

24) $6\frac{2}{5} + 7\frac{1}{3} + 4\frac{1}{4} = ?$

a) $8\frac{31}{84}$ b) $9\frac{8}{21}$ c) $9\frac{29}{60}$ d) $9\frac{1}{2}$ e) None of the above Ans: c

25) $78.516 + 1015.9 - 8.32 = ?$

- a) 1085.096 b) 1085.493 c) 1087.096 d) 1088.086 e) None of the above Ans : e

26) A and B can do a piece of work in 72 days. B and C can do it in 120 days . A and C can do it in 90 days. In what time can A alone do it ?

- a) 150 days b) 120 days c) 100 days d) 80 days e) None of the above Ans :b

27) Rs.730 were divided among A,B,C in such a way that if A gets Rs.3, then B gets Rs.4 and if B gets Rs.3.50 then C gets Rs.3. The share of B exceeds that of C by

- a) Rs.30 b) Rs.40 c) Rs.70 d) Rs.210 e) None of the above Ans :b

28) Which of the following fractions in descending order?

a) $\frac{5}{6}$, $\frac{6}{7}$, $\frac{11}{13}$, $\frac{16}{17}$

b) $\frac{6}{7}$, $\frac{5}{6}$, $\frac{11}{13}$, $\frac{16}{17}$

c), $\frac{11}{13}$, $\frac{16}{17}$, $\frac{6}{7}$, $\frac{5}{6}$

d) $\frac{11}{13}$, $\frac{16}{17}$, $\frac{5}{6}$, $\frac{6}{7}$

- e) None of these Ans : e

29) A sum of money placed at compound interest doubles itself in 5 years. It will amount to eight times of itself in

- a) 10 years b) 12 years c) 15 years d) 20 years e) None of the above Ans :c

30) A triangle of area $(9 \times y)$ cm² has been drawn such that its area is equal to the area of all equilateral triangle of side 6 cm. Then, the value of y is (in cms):

- a) $\sqrt{2}$ b) $\sqrt{3}$ c) 2 d) 3 e) None of the above Ans :b

31) A certain sum of money lent out at simple interest amounts to Rs.690 in three years and Rs.750 in five years. The sum lent is :

- a) Rs.400 b) Rs.450 c) Rs.500 d) Rs.600 e) None of these Ans :d

32) Ten years ago A was half of B in age. If the ratio of their present ages is 3: 4 , what will be the total of their present ages?

- a) 8 Years b) 20 years b) 30 years d) 35 years e) None of these Ans :d

33) If 37% of a number is 990.86, what will be approximately 19% of that number?

a) 600 b) 400 c) 500 d) 700 e) None of the above Ans :c

34) What should come in place of the question mark (?) in the following series?

2 , 6, 12, 20 , 30 , 42, 56 , ?

a) 60 b) 64 c) 70 d) 72 e) None of these Ans :d

35) At what percentage above the cost price must an article be marked so as to gain 33% after allowing a customer a discount of 5% ?

a) 38% b) 40% c) 43% d) 48% e) None of these Ans :b

36) In an election between two candidates one got 55% of total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got was :

a) 2700 b) 2900 c) 3000 d) 3100 e) None of the above Ans : a

37) Nirmal and Kapil started a business investing Rs.9000 and Rs.12000 respectively. After 6 months Kapil withdrew half of his investment. If after a year, the total profit was Rs.4600, what was Kapil's share in it?

a) Rs.2000 b) Rs.2600 c) Rs.1900 d) Rs.2300 e) None of these Ans :d

38) A train speeds past a pole in 15 seconds and a platform 100 m long in 25 seconds. Its length is

a) 200m b) 150m c) 50m d) Data inadequate e) None of these Ans :b

39) In the following number series only one number is wrong. Find out that number.

3, 8 , 15, 24, 34, 48, 63

a) 15 b) 24 c) 34 d) 48 e) 53 Ans :c

40) If the circumference of a circle is increased by 50% , then its area will be increased by

a) 50% b) 100% c) 125% d) 225% e) None of these Ans :c

41) What will come in place of the question mark (?) in the following number series?

70, 68, 74, 68, 78, 68, ? , 68

a) 82 b) 90 c) 92 d) 94 e) None of these Ans :a

42) Sudin's marks in Gujarati are equal to the average marks of Ramesh and Suresh in Gujarati. If Sudin's marks in Gujarati are 55 and the total marks for all the three in Gujarati are 165, how many marks did Ramesh obtain in Gujarati ?

a) 60 b) 55 c) 50 d) Data inadequate e) None of these Ans :d

43) A number, when 60 is subtracted from it is reduced to its 80 per cent. Two third of the number is:

a) 100 b) 200 c) 150 d) 225 e) None of these Ans :b

44) Chandran gave one-fourth of his money to Suresh. Suresh in turn gave one third of what he received to Jayesh. If the difference between the amounts of Suresh and Jayesh is Rs.100 , how much money did Chandran had ?

a) Rs.450 b) Rs.900 c)Rs.600 d) Rs.800 e) 1200 Ans :e

45) In a competitive examination, 5% of the candidates were found ineligible and 85% of the rest of the candidates belonged to the general category. If 4275 candidates from amongst the eligible candidates belonged to other categories, the number of candidates who submitted their applications of the examination was

a) 30,000 b) 35,000 c) 37,000 d) 40,000 e) None of the above Ans : a

46) If $2x + 3y = 29$ and $y = x + 3$, what is the value of x ?

a) 4 b) 7 c) 5 d) 6 e) None of these Ans :a

47) Arun borrowed some money at the rate of 6% p.m. for the first two years, at the rate of 9% p.m. for the next three years and at the rate of 14% p.a. for the period beyond five years. If he pays a total interest of Rs.11,400 at the end of nine years, how much did he borrow ?

a) Rs.16000 b) 14000 c) 18000 d) 12000 e) None of these Ans :d

48) Perimeter of a rectangular field is 1040 less than its area in numerical value. If the breadth is doubled, the perimeter becomes 2200 less than the new area of the field in numerical value. What is the length of the field in its numerical value?

a) 60 b) 40 c) 120 d) Data inadequate e) None of these Ans:a

49) The amount of loss incurred by selling an article for Rs.800 is 50% of the amount gained if it is sold for Rs.1400. At what price should it be sold to have 20% profit?

a) Rs.1250 b) Rs.1600 c) Rs.1200 d) Can't be determined e) None of these Ans :c

50) The sum of two consecutive even numbers is 98 less than the product of these two numbers. What is the sum of these two numbers?

a) 18 b) 24 c) 32 d) Data inadequate e)22 Ans : e