L & T InfoTech Placement Paper
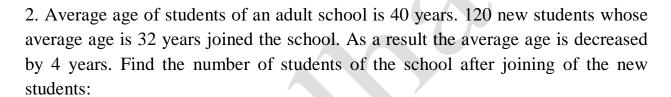
1. A square garden has fourteen posts along each side at equal interval. Find how many posts are there in all four sides:

(a) 56

(b) 52

(c) 44

(d) 60

2. Average age of students of an adult school is 40 years. 120 new students whose average age is 32 years joined the school. As a result the average age is decreased by 4 years. Find the number of students of the school after joining of the new students:

(a) 1200

(b) 120

(c) 360

(d) 240

3. When Rs 250 added to 1/4th of a given amount of money makes it smaller than 1/3rd of the given amount of money by Rs 100. What is the given amount of money?

(a) Rs 350

(b) Rs 600

(c) Rs 4200

(d) Rs 3600

4. Find the least number of candidates in an examination so that the percentage of successful candidates should be 76.8% :

(a) 500

(b) 250

(c) 125

(d) 1000

5. The number of times a bucket of capacity 4 litres to be used to fill up a tank is less than the number of times another bucket of capacity 3 litres used for the same purpose by 4. What is the capacity of the tank?

(a) 360 litres

(b) 256 litres

(c) 48 litres

(d) 525 litres

7. A certain quantity of rice is spent daily for 30 students in a hostel. One day some students were absent as a result, the quantity of rice has been spent in the ratio of 6 : 5. How many students were present on that day?

(a) 24

(b) 20

(c) 15

(d) 25

8. The ratio of daily wages of two workers is 4 : 3 andone gets daily Rs 9 more than the other, what are their daily wages?

(a) Rs 32 and Rs 24

(b) Rs 60 and Rs 45

(c) Rs 80 and Rs 60

(d) Rs 36 and Rs 27

9. Find the ratio of purchase price and sell price if there is loss of 12 1/(2)%

(a) 7 : 8

(b) 8 : 7

(c) 2 : 25

(d) 25 : 2

10. The simplified value of 1.2 + (1.2)2 + (1.2)3 is:

(a) 4.248

(b) 4.368

(c) 3.248

(d) 3.368

11. The rate of failure in an examination is 39.25%. Find the least number of total candidates appeared in the examination.

(a) 500

(b) 400

(c) 125

(d) 260

12. Find H.C.F. of 3/5 , .36, .24

(a) .04

(b) 2

(c) .4

(d) None of the above

13. 0.8 portion of a tank is filled with water. If 25 litres of water is taken out from the tank, 14 litres of excess water over the half filled up tank remains in it. Find the capacity of the tank.

(a) 100 litres

(b) 130 litres

(c) 200 litres

(d) 150 litres

14. The ratio of ages of two persons is 4 : 7 and one is 30 years older than the other. Find the sum of their ages.

(a) 210 years

(b) 110 years

(c) 90 years

(d) 140 years

15. The ratio of the age of a gentleman and his wife is 4 : 3. After 4 years this ratio will be 9 : 7. If at the time of their marriage the ratio was 5 : 3, how many years ago they were married?

(a) 10 years

(b) 8 years

(c) 12 years

(d) 15 years

16. Simplify:

(1.3*1.3*1.3-1)/(1.3*1.3+1.3+1)

(a) .3

(b) 31/3

(c) ..3

(d) 1

17. What sum of money is to be divided among 3 men in the ratio 3 : 4 : 5 so that the third man receives Rs 10 only.

(a) Rs 56

(b) Rs 84

(c) Rs 120

(d) Rs 24

18. Sum of two numbers prime to each other is 20 and their L.C.M. is 99. What are the numbers?

(a) 8 and 12

(b) 14 and 6

(c) 19 and 1

(d) 11 and 9

19. Find square root of 2.7

.(a) .5

(b) 5

(c) 11/3

(d) .3

20. Find the greatest of the four least common multiples of 3, 5 and 7.

(a) 1

(b) 420

(c) 315

(d) 105

21. Find the greatest number which on dividing 107 and 120 leaves remainders 5 and 1 respectively.

(a) 25

(b) 6

(c) 9

(d) 17

22. Express Rs 25 as percentage of Rs 75:

(a) 3%

(b) 30%

(c) 3%

(d) 33.3%

23. 25% of X = 45% of Y. Then X : Y is:

(a) 5 : 9

(b) 3 : 5

(c) 5 : 3

(d) 9 : 5

25. If n is any positive odd integer greater than 1, the $n(n^2 - 1)$ is always divisible by:

(a) 7

(b) 5

(c) 24

(d) 15

26. The value of {(.87)3 + (.13)3 + .87 × .39}0.5 is:

(a) 0.6

(b) 1

(c) 0

(d) 3

27. A hawker purchased oranges at the rate of 4 oranges in a rupee, but he sells at the rate of 5 oranges in a rupee. His loss is:

(a) 20%

(b) 25%

(c) 50%

(d) 100%

28. A businessman purchased 35 kg dal of Rs 525 and sells it at the rate of Rs 18 per kg. Then the rate of

profit or loss is:

(a) 20% profit

(b) 25% loss

(c) 25% profit

(d) 20% loss

29. The difference and the product of two numbers are 32 and 2145 respectively. Their sum is:

(a) 89

(b) 98

(c) 78

(d) 87

30. The sum of two numbers is 45 and their product is 500. The G.C.M. of the numbers is:

(a) 5

(b) 9

(c) 10

(d) 15