Tata Motors Aptitude Test Questions

Q1. 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

Q2. 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

Q3. 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

Q4. 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 Girishs share of profit ?

(A) Rs. 5,500
(B) Rs. 6,000
(C) Rs. 6,600
(D) As. 5,900

Q5. 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

Q6. 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

Q7. What is 50% of 40% of Rs. 3,450?

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

Q8. 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

Q9. At each corner of a square park with side equal to 40m, there is a flower bed in the form of a sector of radius 14m. 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

Q10. An error 2% in excess is made while measuring the side of a square. What is the percentage of error in the calculated area of the square?

    (A) 2.02%
    (B) 4%
    (C) 2%
    (D) 4.04%

Q11. 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

Directions for Q12 - Q14 :

Six members of a family are travelling these are A,B,C,D,E, and F. B is the son of C but C is not mother of B. A and C are a married couple, E is the brother of C. D is the daughter of A. F is the brother of B.

Q12. Who is the wife of E?

    (A) A
    (B) F
    (C) B
    (D) Cannot be determined

Q13. Which of following is pair of female?

(A) AE
(B) BD
(C) DF
(D) AD

Q14. How is E related to D?

(A) Father
(B) Brother
(C) Uncle
(D) None of these

Q15. 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

Q16. 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

Q17. 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

Q18. 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 Ajays income?

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

Q19. 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

Q20. 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

Q21. 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 2/3.What was the original fraction?

(A) 5/18
(B) 6/13
(C) 13/6
(D) 7/12
(E) None of these

Q22. 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

Q23. 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

Q24. The length of a rectangle exceeds its breadth by 7cms. If the length is decreased by 4cm and the breadth is increased by 3cms, 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

Q25. 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