1. 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

2. 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

3. 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

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

?/144= 49 /?

(A)95

(B) 76

(C)82

(D) 84

(E)None of these

5. 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

 6. 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

7. 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

8. 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

9. 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

10. If the fractions8/5,7/2,9/5,5/4,4/5 are arranged in descending order of their values, which one will be fourth?

(A)4/5

(B)5/4

(C)9/5

(D)8/5

(E) 7/2

11. 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

12. 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

13. 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

14. 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

15. 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

16. 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

17. 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

18. 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. 23,468

(C) Rs. 37,420

(D) Rs. 19,562

(E) None of these

19. 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

20. 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

21. 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

22. 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

23. 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 cems.

(C)50 cms.

(D)55 cms.

(E)None of these

24. 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

25. 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

26. USA + USSR = PEACE ; P + E + A + C + E = ?

27. In a cycle race there are 5 persons named as J, K, L, M, N participated for 5 positions so that in how many number of ways can M make always before N?

28. What is the 8th term in the series 1,4, 9, 18, 35, 68, . . .

29. There are three trucks A, B, C. A loads 10 kg/min. B loads 13 1/3 kg/min. C unloads 5 kg/min. If three simultaneously works then what is the time taken to load 2.4 tones?

30. a, b, b, c, c, c, d, d, d, d, ... Find the 288th letter of this series.