Cordis Aptitude Test

CORDIS.us

1. Which of the following is not a Prime Number?

   241

   337

   391

   571

2. What least value must be assigned to * so that the number 197*5462 is divisible by 9?

   1

   2

   3

   4

3. The highest power of 9 dividing 99! Completely is:

   11

   20

   22

   24

4. The maximum number of students among whom 1001 pens and 910 pencils can be distributed in such a way that each student gets the same number of pens and same number of pencils is:

   91

   910

   1001

   1911

5. If r is the remainder when each of 7654,8506 and 9997 is divided by the greatest number d(d>1), then d-r is equal to:

   14

   18

   24

   28

6. A person on tour has ₹ 360 for his daily expenses, if he extends his tour for 4 days, he has to cut his daily expenses by ₹ 3. Find the original duration of the tour.

   15 Days

   20 Days

   1 Month

   2 Months

7. In a certain game, each player scores either 2 points or 5 points. If n players score 2 points and m players score 5 points, and the total number of points scored is 50, what is the least possible difference between m and n ?

    1

    2

    3

    4

8. What is the smallest number by which 3600 be divided to make it a perfect cube?

    9

    50

    300

    450

9. The cube root of 0.000216 is:

    0.6

    0.06

    0.006

    None of the above

10. A gardener plant 17956 trees in such a way that there as many rows as there are trees in a row. The number of trees in a row are:

    134

    136

    144

    154

11. A general wished to draw up his 36581 soldiers in the form of a solid square. After arranging them, he found that some of them are left over. How many are left over?

    65

    81

    100

    None of the above

12. If 25a+25b=115, what is the average of a and b?

    2.5

    4.5

    3.4

    None of the above

13. The average of five consecutive numbers is x. If the next two numbers are also included, how shall the average vary?

    It shall increase by 1

    It shall remain same

    It shall increase by 1.4

    It shall increase by 2

14. If the arithmetic mean of seventy-five numbers is 35. If each number is increased by 5, then mean of new number is:

    30

    40

    50

    60

15. A word consists of 9 letters: 5 consonants and 4 vowels. Three letters are chosen at random. What is the probability that more than one vowel will be selected?

    13/42

    17/42

    5/42

    3/14

16. In a purse there are 30 coins, twenty one-rupee and remaining 50-paise coins. Eleven coins are picked simultaneously at random and are placed in a box. If a coin is now picked from the box, find the probability of it being a rupee coin?

    4/7

    2/3

    1/2

    5/6

17. A brother and a sister appear for an interview against two vacant posts in an office. The probability of the brother's selection is 1/5 and that of the sister's selection is 1/3. What is the probability that only one of them is selected?

    1/5

    3/4

    2/5

    3/5

18. A clock shows 2 am now Find the total rotation of the minute hand, in degrees, of the clock when it will show 9 pm on the same night?

    8600 Degrees

    6840 Degrees

    6470 Degrees

    5930 Degrees

19. 5 men and 8 women can complete a task in 34 days, whereas 4 men and 18 women can complete the same task in 28 days. In how many days can the same task be completed by 3 men and 5 women?

    56

    72

    64

    36

20. The average age of students of a class is 15.8 years. The average age of boys in the class is 16.4 years and that of the girls is 15.4 years. The ratio of the number of boys to the number of girls in the class is:

    1:2

    2:3

    3:4

    3:5

21. If a number is multiplied by two-third of itself, the value so obtained is 864. What is the number?

    34

    35

    36

    37

22. If the product of three consecutive integers is 120, then sum of the integers is:

    12

    13

    14

    15

23. An interval of 3 hours 40 minutes is wrongly estimated as 3 hours 45.5 minutes. The error percentage is:

    1.5

    2.5

    3.5

    8.5

24. By how much percent is four-fifth of 70 lesser than five-seventh of 112 ?

    24%

    30%

    36%

    42%

25. The contents of a certain box consist of 14 apples and 23 oranges. How many oranges must be removed from the box so that 70% of the pieces of fruit in the box will be apples?

    16%

    17%

    26%

    27%

26. The salaries of A and B together amount to ₹ 2000/-. A spends 95% of his salary and B, 85% of his. If now, their savings are the same, what is A's salary?

    1200

    2500

    1700

    1900

27. A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is:

    Breakeven

    5%

    6%

    7%

28. A, B and C invest in the ratio of 3 : 4: 5. The percentage of return on their investments are in the ratio of 6 : 5 : 4. Find the total earnings, If B earns Rs. 250 more than A :

    6380

    7250

    5398

    6250

29. What was the day on 15th august 1947 ?

    Thursday

    Friday

    Saturday

    Monday

30. In an election between two candidates, one got 55% of the 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:

2500

2600

2700

3570