CSC Previous Year Placement Paper

1.   One year ago, the ratio of Roonie's and Ronaldo's age was 6: 7 respectively. Four years hence, this ratio would become 7: 8. How old is Ronaldo ?

        Ans-36 years

2.   In what ratio must rice at Rs. 9.30 per kg be mixed with rice at Rs. 10.80 per kg so that the mixture be worth Rs. 10 per kg ?

Ans-8:7

3.   The milk and water in two vessels A and B are in the ratio 4 : 3 and 2: 3 respectively. In what ratio, the liquids in both the vessels be mixed to obtain a new mixture in vessel C containing half milk and half water?

Ans-7:5

4.   One side of a rectangular field is 15 m and one of its diagonals is 17 m. Find the area of the field.

Ans-120m2

5.   A rectangular grassy plot 110 m. by 65 m has a gravel path 2.5 m wide all round it on the inside. Find the cost of gravelling the path at 80 paise per sq. metre

Ans- Rs 680

6.   There are two sections A and B of a class consisting of 36 and 44 students respectively. If the average weight of section A is 40kg and that of section B is 35kg, find the average weight of the whole class?

Ans-37.25 kg

7.   Of the three numbers, second is twice the first and is also thrice the third.If the average of the three numbers is 44.Find the largest number.

Ans-72

8.   Find the odd man out.

3, 5, 11, 14, 17, 21

Ans-14

9.   Find out the wrong number in the given sequence of numbers.

1, 8, 27, 64, 124, 216, 343

Ans-124

10.   Insert the missing number.

8, 7, 11, 12, 14, 17, 17, 22, (....)

Ans-B

11.   Two cards are drawn at random from a pack of 52 cards.what is the probability that either both are black or both are queen?

Ans-55/221

12.   A bag contains 6 white and 4 black balls .2 balls are drawn at random. find the probability that they are of same colour.

Ans-7/15

13.   . In a km race, A beats B by 28 metres or 7 seconds. Find A's time over the course.

Ans-4 min 3 sec

14.   A, Band C are three contestants in a km race. If A can give B a start of 40 m and A can give C a start of 64m how many metre's start can B give C ?

15.   If a : b = 5 : 9 and b : c = 4: 7, find a : b : c.

Ans-20:36:63

16.   A bag contains 50 p, 25 P and 10 p coins in the ratio 5: 9: 4, amounting to Rs. 206. Find the number of coins of each type

Ans- Number of 50 p coins = 360;

      Number of 10 p coins = 160

17.   What was the day of the week on 17th June, 1998?

    A.   Monday

    B.   Tuesday

C.   Wednesday

D.   Thursday

Ans-C

18.   The calendar for the year 2007 will be the same for the year:

A.   2014

B.   2016

C.   2017

D.   2018

Ans-D

19.   Find the angle between the hour hand and the minute hand of a clock when 3.25.

20.   At what time between 4 and 5 o'clock will the hands of a clock be at right angle?

Ans-40/11 min. past 4.

21.   Find at what time between 8 and 9 o'clock will the hands of a clock being the same straight line but not together

Ans-120/11 min

22.   Find compound interest on Rs. 7500 at 4% per annum for 2 years, compounded annually.

Ans-RS612

23.   Find the compound interest on Rs. 10,000 in 2 years at 4% per annum, the interest being compounded half-yearly.

Ans-Rs 824.32

24.   In what time will Rs. 1000 become Rs. 1331 at 10% per annum compounded annually?

Ans-3 years

25.   The difference between the compound interest and simple interest on a certain sum at 10% per annum for 2 years is Rs. 631. Find the sum.

Ans- Rs631,00

26.   The sum of a rational number and its reciprocal is 13/6. Find the number

Ans-2/3 ot 3/2

27.   If the sum of two numbers is 42 and their product is 437, then find the absolute difference between the numbers

Ans-4

28.   The average of four consecutive even numbers is 27. Find the largest of these numbers.

Ans-30

29.   Of two numbers, 4 times the smaller one is less then 3 times the larger one by 5. If the sum of the numbers is larger than 6 times their difference by 6, find the two numbers.

Ans-59 & 43

30.   If three numbers are added in pairs, the sums equal 10, 19 and 21. Find the numbers

Ans-6, 4 & 15

31.   Simplify :   (i) 8888 + 888 + 88 + 8

               (ii) 11992 - 7823 - 456

32.   What could be the maximum value of Q in the following equation?   5P9 + 3R7 + 2Q8 = 1114

Ans-9

33.   An electric pump can fill a tank in 3 hours. Because of a leak in ,the tank it took 3(1/2) hours to fill the tank. If the tank is full, how much time will the leak take to empty it

Ans-21 hrs

34.   Two pipes A and B can fill a tank in 36 min. and 45 min. respectively. A water pipe C can empty the tank in 30 min. First A and B are opened. after 7 min,C is also opened. In how much time, the tank is full?

Ans-39 min

35.   Arrange the fractions 5/8, 7/12, 13/16, 16/29 and 3/4 in ascending order of magnitude.

Ans-16/29 < 7/12 < 5/8 < 3/4 < 13/16