**DURATION: 45min MARKS: 25**

**RMD ENGINEERING COLLEGE**

**CSE DEPARTMENT**

**PLACEMENT TRAINING TEST-4**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** |  | **REG NO** |  |

1.A person had to multiply two numbers. Instead of multiplying by 35, he multiplied by 53 and the product went up by 540. What was the raised product?  
a) 780     b) 1040   c) 1590   d) 1720

2) How many positive integer solutions does the equation 2x+3y = 100 have?  
a) 50   b) 33   c) 16    d) 35

3)One fast typist type some matter in 2hr and another slow typist type the same matter in 3hr. If both do combinely in how much time they will finish?  
a) 1hr 12mins   b) 1hr 14mins   c) 1hr 16mins    d) 1hr 10mins

4)A bag contains 20 yellow balls, 10 green balls, 5 white balls, 8 black balls, and 1 red ball. How many minimum balls one should pick out so that to make sure the he gets at least 2 balls of same color?  
a)5 b)6   c)43    d)44

5) (1/3) of a number is 5 more than the (1/6) of the same number?  
a) 6 b)36 c)30 d)72

6)In the reading room of a library,there are 23 reading spots. Each reading spot consists of a round table with 9 chairs placed around it. There are some readers such that in each occupied reading spot there are different numbers of readers. If in all there are 36 readers, how many reading spots do not have even a single reader?  
a) 8 b) none c) 16 d) 15

7)Find average speed if a man travels at speed of 24kmph up and 36kmph down at an altitude of 200m?  
a) 28.8 b)28 c)27 d)28.6

8) Susan made a block with small cubes of 8 cubic cm volume to make a block ,3 small cubes long, 9 small cubes wide and 5 small cubes deep. She realizes that she has used more small cubes than she really needed. She realized that she could have glued a fewer number of cubes together to lock like a block with same dimensions, if it were made hollow. What is the minimum number of cubes that she needs to make the block?  
a) 114 b) 135 c) 21 d) 71

9) (98\*98\*98 – 73\*73\*73)/( 98\*98\*98 – 73\*73\*73)=?  
a)171 b)4 c)420 d)none

10)What is the value of (3X+8Y)/(X-2Y), if X/2Y=2?  
a)8 b)none c)10 d)13

11) Out of 7 children the youngest is boy then find the probability that all the remaining children are boys?   
a)1/6 b)1/64 c)1/36 d)1/42

12) A man goes 50 km NORTH, then turned LEFT walked 40 km, then turned RIGHT? in which direction is he in?   
a)North b)North-East c)South d)Never

13) one organization ,material ,labor and maintenance are in the ratio of 4:6:7, if the material cost is: 272 ,what is the total cost?   
a)1154 b)1156 c)1158 d)1152

14) Peter and Paul are two friends. The sum of their ages is 42 years. Peter is twice as old as Paul was when Peter was as old as Paul is now. What is the present age of Peter? ?   
a)26 b)16 c)28 d)14

15) One person had three children. He had 7 pennies. Find the distribution of the fruits among the three children. A melon costs 1 penny, 2 oranges cost 1 penny and 3 grapes cost 1 penny  
a)2 melons, 1 orange, 1 grape b) 2 melons, 2 orange, 1 grape c) c) 1 melons, 2 orange, 2 grape

d) 1 melons, 2 orange, 1 grape

16. A volume of 10936 l water is in a container of sphere.How many semisphere of volume 4l each will be required to tranfer all the water into the small semispheres?  
a)2812 b)8231 c)2734 d)4222

17.A person ismanufacturing a house.He bought 20 ropes of wire which has a density of 300 Kg/m3.The height of the building to be constructed is 40 m.If the capacity of the current passed in the wire is 20 A and the voltage capacity is 80 Volts.Then what will be the opposing force to the current if the wire is used ?  
a)2 b)4 c)8 d)1600

18. A horse chases a pony 2 hours after the pony runs.Horse takes 3 hours to reach the pony.If the average speed of the horse is 81Kmph.Then what is the average speed of the pony?  
a)46.4 b)51 c)53.4 d)48.6

19. On planet korba, a solar blast has melted the ice caps on its equator. 9 years after the ice melts, tiny planetoids called echina start growing on the rocks. Echina grows in the form of circle, and the relationship between the diameter of this circle and the age of echina is given by the formula d = 4\*√ (t-9) for t ≥ 9 where d represents the diameter in mm and t the number of years since the solar blast.Jagan recorded the radius of some echina at a particular spot as 7mm. How many years back did the solar blast occur?  
a) 17 b)21.25 c)12.25 d)14.05

20. A man goes 50Km north , then turned left walked 40Km, then turned right ? In which direction he is?  
a)North b)South c)East d)North-East

21. Ferrari S.P.A is an Italian sports car manufacturer based in Maranello, Italy. Founded by Enzo Ferrari in 1928 as Scuderia Ferrari, the company sponsored drivers and manufactured race cars before moving into production of street-legal vehicles in 1947 as Ferrari S.P.A. Throughout its history, the company has been noted for its continued participation in racing, especially in Formula One where it has employed great success .Rohit once bought a Ferrari. It could go 4 times as fast as Mohan's old Mercedes. If the speed of Mohan's Mercedes is 35 km/hr and the distance traveled by the Ferrari is 490 km, find the total time taken for Rohit to drive that distance.  
20.72 b) 5.18 c) 238.25 d) 6.18

22. It is the class with the seating arrangement in 4 rows and 8 columns. When the teacher says 'start' the girl who is sitting in first row and first column will say 1, then the next girl sitting behind her will say 4, the next girl sitting behind that girl will say 7, in a particular order each girl is telling a number, the following girls told 10, 13 next turn is yours what u will say?  
a) 15 b) 17 c) 14 d) 16

23. In a school, for a student out of 100 he got 74 of average for 7 subjects and he got 79 marks in the 8th subject. what is the average of all the subject?  
a)76.251 b)80.25 c)74.265 d)74.625

24.Which is the smallest no which divides 2880 and gives a perfect square?  
a)4 b)9 c)3 d)5

25.Six friends decide to share a big cake. Since all of them like the cake, they begin quarreling who gets to first cut and have a piece of the cake. One friend suggests that they have a blindfold friend choose from well shuffled set of cards numbered one to six. You check and find that this method works as it should simulating a fair throw of a die. You check by performing multiple simultaneous trials of picking the cards blindfold and throwing a die. You note that the number shown by the method of picking up a card and throwing a real world die, sums to a number between 2 and 12. Which total would be likely to appear more often – 8,9 or 10?  
a) 8 b)All are equally likely c)9 d)10

This question paper and answers will be available at **www.computersciencestudents.com**

**ALL THE BEST**

ANSWERS FOR PLACEMENT TEST-5

1. Ans: c)1590
2. Ans: c)16
3. Ans: a)1hr 12mins
4. Ans: b)6
5. Ans: c)30
6. Ans: d)15
7. Ans: a)28.8
8. Ans:a)114
9. Ans: d)none
10. Ans: c)10
11. Ans: b)1/64
12. Ans: a)North
13. Ans: b)1156
14. Ans: c)28
15. Ans: d) 1melons, 2 orange, 1 grape
16. Ans: c)2734
17. Ans: b)4
18. Ans: d)48.6
19. Ans: b)21.25
20. Ans: a)North
21. Ans: b)5.18
22. Ans: d)16
23. Ans: d)74.625
24. Ans: d)5
25. Ans: a)8