2008 Capgemini Placement Paper - 4

CAPGEMINI PAPER ON 22ND JULY,2008

1.Fresh Grapes contain 90% water by wt. Dried grapes contain 20% water by %age. What will b wt of dried grapes when we begin with 20 kg fresh grapes?
2kg / 2.4kg / 2.5kg /none

2.How many 5 digit no. can b formed wit digits 1, 2, 3,4,5,6 which r divisible by 4 and digits not repeated
144 / 168 / 192 / none

3.There is a rectangular Garden whose length and width are 60m X 20m.There is a walkway
of uniform width around garden. Area of walkway is 516m^2. Find width of walkway
1/2/3/4

4. In a race from pt. X to pt Y and back, Jack averages 0 miles/hr to pt Y and 10 miles/hr back to pr X. Sandy averages 20 miles/hr in both directions. If Jack and Sandy start race at same tIme, who'll finish 1st
Jack/Sandy/they tie/Impossible to tell

5. A man engaged a servant on a condition that he'll pay Rs 90 and also give him a bag at the end of the yr. He served for 9 months and was given a turban and Rs 65. So the price of turban is
 i. Rs 10 / 19 / 0 / 55

6. Three wheels make 36, 24, 60 rev/min. Each has a black mark on it. It is aligned at the start of the qn.When does it align again for the first time?
14/20/22/5 sec

7. If 1= (3/4)(1+ (y/x)) then
i.   x=3y
ii. x=y/3
iii. x=(2/3)y
iv. none

8. The sum of six consecutive odd nos. is 888. What is the average of the nos.?
i. 147
ii. 148
iii. 149
iv. 146

9.An employee has to allocate offices to 6 staff members. The offices are no. 1-6. the offices are arranged in a row and they are separated from each other by dividers>hence voices, sounds and cigarette smoke flow easily from one office to another
Miss R needs to use the telephone quite often throughout the day. Mr. M and Mr. B need adjacent offices as they need to consult each other often while working. Miss H is a senior employee and his to be allotted the office no. 5, having the biggest window.
Mr. D requires silence in office next to his. Mr. T, Mr. M and Mr. D are all smokers. Miss H finds tobacco smoke allergic and consecutively the offices next to hers are occupied by non-smokers. Unless specifically stated all the employees maintain an atmosphere of silence during office hrs.
a. The ideal candidate to occupy office farthest from Mr. B will be
i. Miss H
ii. Mr. M
iii. Mr. T

iv. Mr. D

b. The three employees who are smokers should be seated in the offices

i.   1 2 4

ii.   2 3 6

iii.   1 2 3

iv. 1 2 3

c. The ideal office for Mr. M would be

i.   2

ii.   6

iii.   1

iv.   3

d. In the event of what occurrence within a period of one month since the assignment of the offices would a request for a change in office be put forth by one or more employees?

i. Mr D quitting smoking

ii. Mr. T taking over duties formally taken care of by Miss R

iii. The installation of a water cooler in Miss H's office

iv. Mr. B suffering from anemia

10.Ten coins are distr. Among 4 people P, Q, R, S such that one of them gets a coin, another gets 2 coins,3rd gets 3 coins, and 4th gets 4 coins. It is known that Q gets more coins than P, and S gets fewer coins than R

a. If the no. of coins distr. To Q is twice the no. distr. to P then which one of the following. is necessarily true?

i. R gets even no. of coins

ii. R gets odd no. of coins

iii. S gets even no. of coins

iv. S gets odd no. of coins

b. If R gets at least two more coins than S which one of the following is necessarily true?

i. Q gets at least 2 more coins than S

ii. Q gets more coins than P

iii. P gets more coins than S

iv. P and Q together get at least five coins

c. If Q gets fewer coins than R, then which one of the following is not necessarily true?

i. P and Q together get at least 4 coins

ii. Q and S together get at least 4 coins

iii.R and S together get at least 5 coins

iv.P and R together get at least 5 coins

11.Elle is 3 times older than Zaheer. Zaheer is ½ as old as Waheeda. Yogesh is elder than Zaheer.

a. What is sufficient to estimate Elle's age?

i.Zaheer is 10 yrs old

ii.Yogesh and Waheeda are both older than Zaheer by the same no of yrs.

iii.Both of the above

iv.None of the above

b. Which one of the following statements can be inferred from the info above

i.Yogesh is elder than Waheeda

ii.Elle is older than Waheeda

iii.Elle's age may be less than that of Waheeda

iv.None of the above

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