

CAPGEMINI PAPER ON 25th JULY 2006

Written Test

There were 3 sections :-

- (1) Quantitative 25 questions.
- (2) Analytical 30 questions
- (3) Verbal 25 questions.

Quantitative Section (Maths)

Q1. Find the next term in series ?

25 16 9 4 1 0 ?

Ans. $(-1)^2 = 1$

Q2. If $(NM)^2 = RRM$ where N,M & R are distinct digits. Then possible values for R are

- (a) 1 (b) 2 (c) 3 (d) none of these

Ans (b) -2

Q3. A man buys spirit at Rs. 60 per liter, adds water to it and then sells it at Rs. 75 per liter. What is the ratio of spirit to water if his profit in the deal is 37.5%?

- (a) 9:1 (b) 10:1 (c) 11:1 (d) None of these.

Ans (b) 10:1

Q4. A certain quantity of petrol is found to be adulterated to the extent of 10%. What proportion of the adulterated petrol should be replaced with pure petrol to take the purity level to 98%?

- (a) 80% (b) 32% (c) 66.67% (d) cannot be determined.

Ans (a) 80%

Q5. Two trains are traveling from point A to point B such that the speed of first train is 65 kmph and the speed of 2 train is 29 kmph. Where is the distance b/w A&B such that the slower train reached 5 hrs late compared to the faster.

Q6. A motorboat whose speed is 15 kmph in still water goes 30 kmph downstream and comes back in a total of 4hrs 30min the speed of the stream in kmph is (5kmph).

Logical Reasoning Section

1. There is a family of six persons P,Q,R,S,T and U.They are Lawyer, Doctor, Teacher, Salesman, Engineer and Accountant. There are two married couples in the family. S, the salesman is married to the Lady Teacher. The Doctor is married to the Lawyer U, The Accountant is the son of Q and brother of T. R, the Lawyer is the daughter-in-law of P. T is the unmarried Engineer. P is the Grandmother of U. Which is the profession of P?

- a)Lawyer b)Teacher c)Doctor d)Accountant

Q:2 My mother gave me money to buy stamps of price 2paise, 7 paise,15 paise, 10paise and 20 paise. I had to buy 5 each of three types and 6 each of the other 2 types . But on my way to the post office i forgot how many of stamps of each type were to be brought . My mother had given me rupees 3 . So i had no problem in finding out the exact amount of each one . Can you tell me which stamps were 5 in number , n which were 6 in number

Ans . 5 stamps each of 2paise, 7 paise, 15 paise

Q:3 A man traveled a certain distance at the rate of 15 miles an hour and came back at the rate of 10 miles an hour. What is his average speed ?

Ans . 12 miles an hour

Q. Salad problem.. Four girls Robin, Mandy, Stacy, Erica of four families Miller, Jacob, Flure and Clark prepare four salads using the fruits Apples cherries bananas, grapes .Each girls uses 3 fruits in her salad. No body have the same combination.

- 1)Robin not a Miller girl uses apples.
- 2) Miller and Mandy uses apples and cherries.
- 3) Clark uses cherries and grapes but Flure uses only one of them.
- 4)Erica is not Clark nor Flure. htt

Then 4 questions asked.

1. Which is robins family:
a. Miller b. Jacob c.Flure d.Clark

2. Which fruit is not used by Mandy? aa
a. Cherries
b. Grapes
c. Apples
d. Bananas

3. Which is the combination by Erica?
a. Apples, cherries, Bananas
b. Apples, Cherries, Grapes

- c. Apples, Grapes, Bananas
- d. Cherries, Grapes, Bananas

4. Which is robin's fruit combination?

- a. Apples, cherries, Bananas
- b. Apples, Cherries, Grapes
- c. Apples, Grapes, Bananas
- d. Cherries, Grapes, Bananas

q5. Relation Related questions an blood relation.

q6. Conclusion of Sentences-Base question.

q7. Refer to the following data & Ans was the following questions.

$$\begin{array}{r}
 \text{S} \quad \text{L} \quad \text{I} \quad \text{D} \quad \text{E} \\
 (-) \quad \text{D} \quad \text{E} \quad \text{A} \quad \text{N} \\
 \hline
 \quad \quad \quad 3 \quad 6 \quad 5 \quad 1
 \end{array}$$

each of 7 digits from 1,2,3,4,5,6 & 9 is represented by letter in the subtraction of problem above.

Q7. (a) Which letter is represented by the number “3”

Ans : Solution:-

$$\begin{array}{r}
 \quad \quad \quad 3 \quad 6 \quad 5 \quad 1 \\
 (+) \quad \text{D} \quad \text{E} \quad \text{A} \quad \text{N} \\
 \hline
 \text{S} \quad \text{L} \quad \text{I} \quad \text{D} \quad \text{E}
 \end{array}$$

It is given in the question that each of 7 digits 1,2,3,4,5, 6 & 9 is represented by a. Different letter in the above problem it is clear that $3 + D + \text{carry}$ [If any] is equal to SL. But as it is clear that highest sum of there given no. can be $(9+6+1)=16$ so $S = 1$

Now it is also clear that D is either 6 or 9 but D cannot be 6, because in that case L, is equal to 0, which is not possible.

So D = 9

Now from that it is clear that L Letter is either 2 or 3 & $A=4$, It is also clear that E cannot be equal to 5,4,3,2,1

So $E=6$

Now we can help of above conclusions.

Ans. to question no.

(a) = L

(b) Which letter is represented by the no "5" ?

Ans (b) N

(c) Which no is presented by the letter "E" ?

Ans. (d) 6

(d) Which letter is presented by the no "6" ?

Ans. E

(e) Which letter is presented by the no "1" ?

Ans. S

You have to be quick in solving them, because they are bit tricky & time consuming part.

Verbal Section

It is the easiest part, only when you are familiar with words. So start learning Barron's Wordlist.

Q. (1) Choose the word closest in meaning to the given word ?

(1) Dudgeon ?

(a) Resentment (b) Small fish (c) Under ground cell

(II) Eviscerate

(1) Disembowel (b) Bigfoot Into (c) extract (d) make less

Q. 2. There was one passage related to agriculture and development. In (b/w) the sentences No's in sequence was potted and given below was, which word most appropriately fits in it.