Capgemini 2012 solved placement papers,Capgemini technical and Hr interview questions with answers

1. If Log2 x - 5 Log x + 6 = 0, then what would the value / values of x be?

Ans.. x = e2 or e3.

2.A man ate 100 bananas in five days, each day eating 6 more than the previous day. How many bananas did he eat on the first day?

Ans.. Eight.

2. If it takes five minutes to boil one egg, how long will it take to boil four eggs?

Ans.. Five minutes.

3.Three pipes, A, B, & C are attached to a tank. A & B can fill it in 20 & 30 minutes respectively while C can empty it in 15 minutes. If A, B & C are kept open successively for 1 minute each, how soon will the tank be filled?

Ans.167 minutes.

4.A person walking 5/6 of his usual rate is 40 minutes late. What is his usual time?

Ans.. 3 hours 20 minutes.

5. Output of the following program is

```
main()
{int i=0;
for(i=0;i<20;i++)
{switch(i)
case 0:i+=5;
case 1:i+=2;
case 5:i+=5;
default i+=4;
break;}
printf("%d,",i);
}
}
```

a) 0,5,9,13,17
b) 5,9,13,17
c) 12,17,22
d) 16,21
e) Syntax error

Ans. (d

6. What is the output in the following program

```
main()
{char c=-64;
int i=-32
unsigned int u =-16;
if(c>i)
{printf("pass1,");
if(c
printf("pass2");
else
printf("Fail2");
}
else
printf("Fail1);
if(i
printf("pass2");
else
printf("Fail2")
}
```

a) Pass1,Pass2
b) Pass1,Fail2
c) Fail1,Pass2
d) Fail1,Fail2
e) None of these

Ans. (c)

7. In the process table entry for the kernel process, the process id value is
(a) 0
(b) 1
(c) 2
(d) 255
(e) it does not have a process table entry
Ans. (a)

Capgemini 2011 question papers

1. 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

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

(a) 9:1 (b) 10:1 (c) 11:1 (d) None of these.
Ans (b) 10.1

3. 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%

4. Two trains are traveling from point A to point B such that the speed of first train is 65 kmps 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.

5. 45 grinders brought @ 2215/-.transpot expense 2190/-.2760/- on octroi . Find SP/piece to make profit of 20%

2585 2225 2670 3325

6. in a 2 digit no unit's place is halved and tens place is doubled.diff bet the nos is 37.digit in unit's place is 2 more than tens place.

24 46 42 none

7. if x-y + z = 19 , y + z =20 , x-z=3 , find d value of x+4y-5z

22 38 17 none

8. Find approx value of 39.987/0.8102+1.987*18.02
72 56 86 44

9. Asish was given Rs. 158 in denominations of Rs 1 each. He distributes these in diff bags, such that ne sum of money of denomination betn 1 and 158 can be given in bags. The min no. of such bags reqd :

10 17 15 none

10. 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

11. 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 tym, who'll finish:

i. 1st Jack ii.Sandy iii.they tie iv.Impossible to tell

12. A man engaged a servant on a condn 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

13. if a row dominated two dimensional array in the following which one is advantage and why?

a) for(i=0;i<1000;i++)

for(j=0;j<1000;j++)

temp=temp+a[i][j];

b) for(j=0;j<1000;j++)

for(i=0;i<1000;i++)

temp=temp+a[i][j]

14. Consider the prog and select answer

```
#include<stdio.h>

void main ( )

{

int k=4,j=0:

switch (k)

{

case 3;

j=300;

case 4:

j=400:

case 5:

j=500;

}

printf (“%d\n”,j);
}
```

A. 300

B. 400

C. 500

D. 0

15. Which fruit is not used by Mandy? aa

a. Cherries
b. Grapes
c. Apples
d. Bananas

16. Which is the combination by Erica?

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

Direction for Qn 17-18
These qns are based on situations given below:
7 Uni crick players are to be honored at a special luncheon. The players will be seated on a dais along one side of a single rectangular table. A and G have to leave the luncheon early and must be seated at the extreme right end of table, which is closest to exit. B will receive Man of the Match and must be in the centre chair C and D who are bitter rivals for the position of Wicket keeper dislike one another and should be seated as far apart as possible E and F are best friends and want to seat together.

17. Which of the foll may not be seated at either end of the table?
i. C ii. D iii. G iv. F

18. Which of the foll pairs may not be seated together?
i. E & A ii. B & D iii. C & F iv. G & D

Direction for Qn 19-20
Elle is 3 times older than Zaheer. Zaheer is ½ as old as Waheeda. Yogesh is elder than Zaheer.

19. 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

20. Which one of the foll. 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 I would suggest you to go through as many Capgemini placement papers as possible. The questions are very simple. Even if you are not very good at aptitude, you can make it. Just be cool and imply your brain. After the aptitude test, the results were displayed after around 2 hrs. 129 candidates managed to clear the aptitude test and were called for GD session.

Capgemini 2010 Capgemini Placement Paper:-

1. Find the nest term in series ?

25 16 9 4 1 0 ?

Ans. (-1)2 = 1

2. 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

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

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

Ans (b) 10.1

4. 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%

5. 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

6. My mother gave me money to buy stamps of price 2paisa, 7 paisa,15 paisa, 10paisa and 20 paisa. 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 whic were 6 in number

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

7. 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

8. If the ratio of prod of 3 diff comp's A B & C is 4:7:5 and of overall prod last yr was 4lac tones and if each comp had an increase of 20% in prod level this yr what is the prod of Comp B this yr?

2.1L 22.1L 4.1L none

9. If 70% of a no. is subtracted from itself it reduces to 81.what is two fifth of that no.? 108/54/210/none

10.If a certain sum of money at SI doubles itself in 5 yrs then what is d rate?

5% 20% 25% 14.8%

11. If radius of cylinder and sphere r same and vol of sphere and cylinder r same what is d ratio betn the radius and height of the cylinder

i. R= H
ii. R= (3/4)H
iii. R = (4/3)H
iv. R=2/3H

Direction for Qn 12-14
Five teams participated in Pepsi Cup. Each team played against each other. The top teams played finals. A win fetched 2 pts and a tie 1 point
1) South Africa were in the finals
2) India defeated SA but failed to reach the finals
3) Australia lost only one match in the tournament
4) The match between India and Sri Lanka was a tie
5) The undefeated team in the league matches lost in the finals
6) England was one of the best teams that did not qualify

12. Who were the finalists?
i. SA & India
ii. Aus & SL
iii. SA & SL
iv. none

13. Who won the finals?
i. Aus
ii. SL
iii. SA
iv. Can't be determined

14. How many matches did India Win?
i. 0
ii. 1
iii. 2
iv. can't be determined

15. Is the GDP of country X higher than Country Y? i. GDP's of X and Y has been increasing at a compounded

annual growth rate of 5% and 6% over he past 5 yrs ii. 5 yrs ago GDP of X was 1.2 times Y

16. A boat can ferry 1500 passengers across a river in 12 hrs. How many round trips does it make during the journey? i. The boat can carry 400 passengers at a time ii. During its journey, the boat takes 40 mins time each way and 20 mins waiting time at each end.

17. What are the values of m and n? i. n is an even integer, m is odd integer and m is greater than n. ii. The product of m and n is 30.

18. Which is the combination by Erica?

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

19. (8*76+19*?-60) / (?*7*12+3-52)=1

5 2 1 3

20. 45 grinders brought @ 2215/-.transpot expense 2190/-.2760/- on octroi . Find SP/piece to make profit of 20%
2585 2225 2670 3325

1. Two trains are traveling from point A to point B such that the speed of first train is 65 kmps 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.

2. 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).

3. in a 2 digit no unit's place is halved and tens place is doubled.diff bet the nos is 37.digit in unit's place is 2 more than tens place.

24 46 42 none

3. if x-y + z = 19 , y + z =20 , x-z=3 , find d value of x+4y-5z

22 38 17 none

4. Find approx value of 39.987/0.8102+1.987*18.02

72 56 86 44

Direction for 5 - 8

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.

5. The ideal candidate to occupy office farthest from Mr. B will be i. Miss H ii. Mr. M iii. Mr. T iv. Mr. D

6. 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

7. The ideal office for Mr. M would be i. 2 ii. 6 iii. 1 iv. 3

8. 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

9. 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

10. Asish was given Rs. 158 in denominations of Rs 1 each. He distributes these in diff bags, such that ne sum of money of denomination betn 1 and 158 can be given in bags. The min no. of such bags reqd :

10 17 15 none

11. 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

12. 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 tym, who'll finish:

i. 1st Jack ii.Sandy iii.they tie iv.Impossible to tell
13. A man engaged a servant on a condn 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

Direction for Qn 14-15
These qns are based on situations given below:

7 Uni crick players are to be honored at a special luncheon. The players will be seated on a dais along one side of a single rectangular table. A and G have to leave the luncheon early and must be seated at the extreme right end of table, which is closest to exit. B will receive Man of the Match and must be in the centre chair C and D who are bitter rivals for the position of Wicket keeper dislike one another and should be seated as far apart as possible E and F are best friends and want to seat together.

14. Which of the foll may not be seated at either end of the table?
i. C ii. D iii. G iv. F

15.Which of the foll pairs may not be seated together?
i. E & A ii. B & D iii. C & F iv. G & D

16. Which one of the foll fractions is arranged in ascending order

i. 9/11,7/9,11/13,13/14
ii 7/8,9/11,11/13,13/14
iii 9/11,11/13,7/8,13/14
iv none

17. A is 4 yrs old and B is thrice A>when A is 12 yrs, how old will B be?

16 20 24 28

18. Which is robin's fruit combination?

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

19. 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 tym?

14 20 22 5sec

20. If 1= (3/4)(1+ (y/x)) then

i. x=3y ii. x=y/3 iii. x=(2/3)y iv. none