

# Capgemini India

## Link & Question Paper

- <http://www.prep.youth4work.com/Placement-Papers/Capgemini-Test>

## Capgemini 2011 placement paper

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 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

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 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.

5. 45 grinders brought @ 2215/-.transport 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  $\frac{1}{2}$  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

**Capgemini 2012 placement paper**

1. If  $\text{Log}_2 x - 5 \text{Log} x + 6 = 0$ , then what would the value / values of  $x$  be?

Ans..  $x = e^2$  or  $e^3$ .

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  $\frac{5}{6}$  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)