

Calsoft Placement Paper Questions

1.

```
f(char *p)
{
p[0]? f(++p):1;
printf("%c", *p);
}
```

if call that fuction with f(Aabcd) what is the output??

ans:dcbaA (Just reversing the string

2

```
f(char *p)
{
p=(char *)malloc(sizeof(6));
strcpy(p,"HELLO");
}
main()
{
char *p="BYE";
f(p)
printf("%s",p);
}
```

what is the o/p???

ans:HELLO

3 To sorting array of 10 elements which sorting is best

- a)selection
- b)bubble
- c)tree sort
- d)...

ans:a

4 To saving space paoint of view which sort is best

- a)selection
- b)insertion
- c)both a & b
- d)... check it once.U Can easy Aanswer this question(UCA)

5 Which statement is wrong on heap

- a) Any two children should not have the same parent
- b) ..
- c) ..
- d) ...

ans: a

6 one more question on heap

7 read about cyclometric complexity..

8 how many null pointers are there in N number binary tree

ans: $N+1$

9 Two sorted lists of size n what are the maximum comparisons in merge

Ans: $2n-1$

10 converting 41.685 to binary

11 pc is incremented while executing ----- instruction

ans: fetch instruction

12 this is gates (NAND) problem

It means some gate figure has given with all NAND gates we have to write equivalent gate

ans: OR gate

13 x: validating : Are we producing product right

y: verification: Are we producing right right

- a) X is wrong statement
- b) y is "
- c) x and Y "
- d) x & y is right statement

14 NFS some question in NSF.

see distributed operation System book by Tanenbaum

15. IP & IPX is implemented in transport layer. All our friends can answer this question. Here I am unable to recall that question.

16 comparison between hashtable and binary tree

ans:a

17 client server is working in asyn mode then how communication will take place bt client and server.

18 once context switching occurs then -----will take place

a)saving register b)saving stack c).. d)..

19 If precondition is failed what u say about postcondition?

Note:Read about precondition and postcondition

20 whiling download java applet then web browser do the following

a)checking the class structure.. b)..c).. d)..

Read about this

21 Strings in Java

a)Mutable b)variable length string c).. d)..

ans:b

22 in Internet Transport layer which is not a protocol

a)/etc/host b)TCP c)UDP d)..

23 Which is not specified in CODD's rules

It is from DBMS question

Refer NAVATHI BOOK chapter -9 appendix topic is CODDE's rules

24 what is the use of Normalization

25 Functional dependency $x \rightarrow y$ is shows that

a)if $x_1=x_2$ then $y_1=y_2$ b).. c).. d).. ans:a

26 one question on IP address 243.65.77.8 something

27 If A sends a message to B with encryption then key is

a)A public key b)B public key c)A private key d)B private key ans:b

28 In a class only declaration of the function is there but definition is not there then what is that function

ans:virtual function

29 what is not necessary condition in dead lock

ans:a

30 One question from multiple inheritance...

31) ICV protocol

32) one question from caches like write-through protocol etc

33)cache access time is 100ns ,memory access time is 1000ns and hit ratio is 0.9 then what is average memory access time

a)100ns b)200ns c)400ns d)500ns ans:b

SECTION C:

1.an lead compensator zero is at $Z=Z_c$, pole is at $P=P_c$ then the following is correct

a. $P_c > Z_c, p_c < 0, z_c$ in a relation R, x_1 and x_2 are in x, y_1 and y_2 are in y (question not cleared), about functional dependency

a. $x_1=x_2$ and $y_1=y_2$

b.

c.

43. in a downloading from website ,which one is correct?

ans: check the byte code and indicate the error, if any.

44. about UDP one Address is given but that is not the state table what will it do the packet

- a. packet is discarded
- b. packet is sent to ethernet server
- c. packet is sent to other address

45. in associated memory for fast accessing
which one is used

- a. single linked list
- b. double "
- c. hash table