Questions:

```
# main()
{
int _=10;
printf("%d",_);
}
```

If you have developed an microprocessor by name JUGGI, how would you account for the JVM ?
a) Write/ Develop a new JVM by going through the SUN standards
b) Implement the same JVM that's in windows , linux as JVM is platform independent.
c) Leave it to the SUN to write it for you
d) Need not write anything

Which server would you use to configure or set up a new IP address in Linux
a) DNS b) DHCP c) TCP d) blah blah blah .....

Three friends divided some bullets equally. After all of them
shot 4 bullets the total no.of remaining bullets is equal to that of
one has after division. Find the original number divided. [Infosys paper & IBM]
a) 20 b) 22 c) 18 d) 19

A cube object 3" * 3" * 3" is painted with green in all the outer surfaces. If the cube is cut into cubes of
1"*1"*1", how many 1" cubes will have at least one surface painted. [Caritor]
a) 8 b) 26 c) 27 d) None of the above

What is the protocol used for getting the physical address by supplying
IP address of a node ? [Wipro]
[i] ARP [ii] RARP [iii] BOOTP [iv] DHCP

How can a process be started automatically in UNIX ? [MBT]
a) CRONTAB b) INITTAB c) CONTROL d) FORK

Flow chart problem [Satyam]
let the value of N be 10
divide N by 10 to give quotient (Q) remainder(R)
diff=R-Q
if diff=1 then 6
go to step 7
display the value of N
add 1 to N
if N <100>
a) 11,12,13,,14.. b)12,23,34,..... c)21,32,4,354...... d) none
What is the output of the Program? [Sasken]

```
#define SQ(x) x*x
main()
{
int a=SQ(2+1);
```

```
printf("%d",a);
}
```
a) 5 b) 6 c) 7 d) None of the Given Answers

There N stations on a railroad. After adding X stations on the rail route 46 additional tickets have to be printed. Find N and X. [Sify]
a) x=2 and N=11 b) x=2 and N=12 c) x=2 and N=13 d) x=3 and N=11

How is an Non-maskable interrupt handled
a) The current program is executed & then handles the NMI
b) Handles the NMI first & then continues with the execution
c) Handles the interrupt based on the priority
d) Ignores the interrupt & continues with the program.

Problems like
If QWERT means 2513678397849 what does [some word] equal to ?

Simple program on fork system call

Simple problems on inheritance [Java]

Simple string assignment problems

If 8 butts of cigarette make 1 cigarette then how many will 64 butts make ?
Ans : 8
ICMP is used where
a) ICMP supports packets containing error, control, and informational messages.
b) The Ping / Command execution.
c) a&b both
More Questions :

1. For the following program.

```
struct XXX
{int a;
float b;
char *s;
}X;
```

If optimization :X not used in compiler then unused
bits_____.
Give your assumption_____.

2. Give the output of the following program

```
struct XXX
{int a:6;
float b:4;
```

char s;
}structure;

size of (structure);

3. Class used for the multiple inheritence in JAVA_____

(a) anonymous class
(b) inner class
(c) abstract class
(d) none

4. XDR fixes in which part of OS1 stack.

5. LDAP is_____service protocol.

6. Given definition for a function which returns a array of pointers

with argument of int*.

7. Give a function declaration with no arguments which refers a two dimensional array

8. Pick up the correct function declaration.

1. void *[] name();
2. void int[][] name();
3. void ** name();
4. none of the above.

9. Give the difference between monolithic and microlithic kernal:

a. monolithic large
b. microlithic used in embedded systems.
c. none.

10. rPC coresponds to_____in OSI stack.

11. Find the no.of page faults using LRU stack.

eg.3 4 4 6 7 8 1 2 .. ..

12. The inorder representation of a tree 41523 and preorder is 24513 Draw it?

13. When does a stack member will be initialised

(a) when object is created
(b) when object is initialised.
(c) doesnot depend on object.

(d) none.

14. Number of CPU in a multiprocess is contrassed by

(a) RISC nohere of CPU
(b) memory
(c) both (a) and (b)
(d) None of the above

15. Give the output of the following program

```
main()
{char *s;
s="hot java";
strcpy(s,"solarrs java")

}
```

16. Give the output of the following program

```
main()
{printf("hot java");
fork()
exit(0);
}
```

(i). When redirected to a screen what will be printed.
(ii). When redirected to file what will be printed.

17. Give the output of the following program

```
main()
{int ret;
ret=fork();ret=fork();ret=fork ();ret=fork();
if(!ret)
printf("sun");
else
printf("solaris");
```

18. Give the output of the following program

```
main()
{char *p='a';
int *i=100/*p;
}
```

what will be the value of *i= 1

19. Which data structure gives efficient search

1 B-tree
2 binary tree
3 array
4 linked list

20. Find the error in the following program

```
struct point
{struct point *next;
int data;
}
x;

main()
{int i;
for(x=p;x!=0;)
x=x->next,x++;
freelist(x);
}

freelist(x)
{free(x);
return
}
```