

NOVELL

The paper consists of three sections.

1. aptitude 15 questions 20 min.
2. system concepts 20 questions 20 min.
3. 'c' 15 questions 20 min.

NOTE:::::

I'm sending the questions, many of them have no answers. U do check the answers for all the given questions also.

All questions are MULTIPLE CHOICES ONLY.

U do try to cover the related topics to get some understanding.
In interview They are asking C C++ Operating system concepts and Networks.

They will ask about Ur interesting subjects, U try to have good grip on those interesting subjects.

They asked about c c++ project work and operating systems.
Don't worry, prepare well, get it, All the best.

section 1::::;

* GRE book test paper 3 section 5
question no. 8 to 12 (ships WXYZ starting on dec. 23rd.....)

* 5 programs are scheduled from Monday to Saturday, Monday is not holiday, PQRST are the programs. The day before P is holiday, and some other clues are given, we have to find the sequence (4 questions)

ANS: Tuesday is the holiday
P comes on Wednesday,
U can do the remaining very easily.

* Suppose U R the prisoner, There are two guards Who will tell truth or one will tell truth. There is a gate for liberty and another for hell.

Some questions are given, like

- i. are U tell truth?
- ii. another tell truth or not??
- iii. both of U R telling truth??
- iv. both of U lying??
- v. -----

they gave a. b. c. d. and asking about which sequencing is sufficient to find the gate for liberty??
(I can't give exact thing)

* There are WIFE and HUSBAND at one side of river. They have one child, They want to cross the river. The child can't be lonely. The boat boy won't permit more than one to cross the river, what is the correct way to

cross the river??

* There are 7 targets, A B and C has to shoot them. All should be shot consecutively.

1. The no. of chances for A and B are not less than 2,
2. for C there is only one chance.
3. A can't shoot 3 times consecutively.
4. B is permitted to shoot in even chances only.

They have given some 3 or 4 questions on this

*

section 2:

This part is System concepts (25 Q in 20 min). We haven't remember exactly, but it will help a lot if you spend some time to revise these concepts.

1. encryption and decryption is done in the following layer.

- a) DLL b) Network layer c) Transport d) presentation Ans: d

2. floating point has different formats on two different machines. These modifications are taken care by which layer?

- a) DLL b) Network layer c) Transport layer d) Presentation Ans: d

But check whether is it DLL dealing with frame formats.

3. Time complexity of Quick sort algo

- a) N^2 b) $\log(N)$ c) $N \cdot \log(N)$ d) N Ans: c

4. Time complexity of AVL tree is .

- a) --- do --- Ans: b

5. Cycle stealing is used in which concept?

- a) Programmed I/O b) DMA c) (see Goankar book) Ans: a or b

* two questions on IP addressing format.

6. How many octets are there in IP address

- a) 6 b) 8 c) 10 d) 12 maybe (b) Ans: find

7. What are the max number of hosts that can be served by IP

- a) 254 b) 256 c) 2^{24} d) -- maybe (c) Ans: find

8. Which of the following is model representation of life cycle software

- a) Water fall model b) spiral c) .. (enquire with CS students)

9. review of code is for the purpose of

- a) to find syntax error b) to check for the proper design ..

10. Semaphores are used for the resolution of

- a) contention b) accessing of same resources by more than one

11. In threading of processes when the race condition will happen

- a) low priority process b) higher priority process ...

See O.S. by Peterson

12. Which of the following function is not performed by O.S.

- a) CPU scheduling b) Memory management c) Transaction d) .. Ans: c

13. If two appl. programmes use same libraries which of the following are shared

- a) lib code b) code and stack c) data d) data, code and stack Ans: a (check for b)

14. Which is the 16 bit max signed int.

- a) 66337 b) 66338 c) 257 d) 258 a, b are not exact Ans: a

15. When will interrupt occur?

- a) divide by zero b) DMA completed c) no more memory Ans: may be c

16. Which of the following has low power consumption

- a) EIL b) CMOS c) Totem pole Ans: b

or the question is for fastest gate (EIL)

17. which of the following is the wrong statement

- a) Combinational circuits has memory
 - b) sequential circuits has memory
 - c) sequential ckts is a function of time
- ans: a

18. Virtual address is

- a) more than physical address
 - b) less than phy mem
 - c) equal to phy mem
 - d) none
- ans : a

19. Which of the following reduces CPU burden

- a) DMA b)
- ans : a

20. malloc function allocates memory at

- a) compilation time b) link c) load d) running
- ans: d

section 3::

1. Max value of SIGNED int

- a. b. c. d.

2. One question is given, long one, to find the answer U should be familiar

with the operation as follows

```
int *num={10,1,5,22,90};
main()
{
int *p,*q;
int i;
p=num;
q=num+2;
i=*p++;
print the value of i, and q-p, and some other operations are there.
}
```

how the values will change??

3. One pointer diff is given like this:

```
int *(*p[10])(char *, char*)
asked to find the meaning.
```

4. char *a[4]={ "jaya", "mahe", "chandra", "buchi" };
what is the value of sizeof(a)/sizeof(char *)

- a. 4 b. bytes for char c-- d.--
- (we don't know the answer)

5. void fn(int *a, int *b)

```
{
int *t;
t=a;
a=b;
b=t;
}
main()
{
int a=2;
int b=3;
fn(&a,&b);
print the values of a and b;
}
```

what is the output--- out put won't swap, the same values remain.

- a. error at runtime
- b. compilation error
- c. 2 3
- d. 3 2

6.

```
#define scanf "%s is a string"
main()
{
    printf(scanf,scanf);
}
```

what is the output.

ANS : %s is string is string

7. $i=2+3, 4>3, 1;$
`printf("%d",i);`

ans is 5 only.

8. `char *p="abc";`
`char *q="abc123";`

```
while(*p==*q)
{
    print("%c %c",*p,*q);
}
```

- a. aabbcc
- b. aabbcc123
- c. abcabc123
- d. infinite loop (this may be correct)

9. `printf("%u",-1)`

what is the value?

- a. -1 b. 1 c. 65536 d. --

(maxint value-1 I think, check for the answer)

10. `#define void int`

```
int i=300;
void main(void)
{
    int i=200;
    {
        int i=100;
        print the value of i;
    }
    print the value of i
}
what is the output?
```

may be 100 200

11.

```
int x=2;  
x=x<<2;  
printf("%d ",x);
```

ANS=8;

12.

```
int a[]={0,0X4,4,9}; /*some values are given*/
```

```
int i=2;
```

```
printf("%d %d",a[i],i[a]);
```

what is the value??? (may be error)

13.

some other program is given , I can't remember it
U can get it afterwards,

the answer is 3 3, so U can check this in the exam. itself.