

## SIEMENS INFO

THIS PAPER CONSISTS 6 PARTS. all are multiple choice q's

- 1)general
- 2)c/unix
- 3)c++/motif
- 4)database
- 5)x-windows
- 6)ms-windows

we have written q's not acc. to each part.total 50. q's. time is sufficient.

if u have basic idea about all of the u can easily answer the paper.  
paper

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1)which of following operator can't be overloaded.

a)== b)++ c)?! d)<=

2)#include<iostream.h

main()

{

printf("Hello World");

}

the program prints Hello World without changing main() the o/p should be

intialisation

Hello World

Destruct

the changes should be

a)iostream operator<<(iostream os, char\*s)

os<<'intialisation'<<(Hello World)<<Destruct

b) c) d)none of the above

3)CDPATH shell variable is in(c-shell)

a) b) c) d)

4) term stickily bit is related to a)kernel

b)undeletable file

c) d)none

5)semaphore variable is different from ordinary variable by

6)swap(int x,y)

{

int temp;

temp=x;

x=y;

y=temp;

}

main()

{

int x=2;y=3;

swap(x,y);

}

after calling swap ,what are yhe values x&y?

7) static variable will be visible in

a)fn. in which they are defined

b)module " " " "

c)all the program

d)none

8)unix system is

- a)multi processing
  - b)multi processing ,multiuser
  - c)multi processing ,multiuser,multitasking
  - d)multiuser,multitasking
- 9)x.25 protocol encapsulates the follwing layers
- a)network
  - b)datalink
  - c)physical
  - d)all of the above
  - e)none of the above
- 10)TCP/IP can work on
- a)ethernet
  - b)tokenring
  - c)a&b
  - d)none
- 11)a node has the ip address 138.50.10.7 and 138.50.10.9.But it is transmitting data from node1 to node2only. The reason may be
- a)a node cannot have more than one address
  - b)class A should have second octet different
  - c)classB " " " " "
  - d)a,b,c
- 12) the OSI layer from bottom to top
- 13)for an application which exceeds 64k the memory model should be
- a)medium
  - b)huge
  - c)large
  - d)none
- 14)the condition required for dead lock in unix sustem is
- 15)set-user-id is related to (in unix)
- 16) bourne shell has
- a)history record
  - b)
  - c)
  - d)
- 17)wrong statement about c++
- a)code removably
  - b)encapsulation of data and code
  - c)program easy maintenance
  - d)program runs faster
- 18)struct base {int a,b;  
base();  
int virtual function1();  
}  
struct derv1:base{  
int b,c,d;  
derv1()  
int virtual function1();  
}  
struct derv2 : base  
{int a,e;  
}  
base::base()  
{  
a=2;b=3;  
}  
derv1::derv1(){  
b=5;

```

c=10;d=11;}
base::function1()
{return(100);
}
derv1::function1()
{
return(200);
}
main()
base ba;
derv1 d1,d2;
printf("%d %d",d1.a,d1.b)
o/p is
a)a=2;b=3;
b)a=3; b=2;
c)a=5; b=10;
d)none

```

19) for the above program answer the following q' s

```

main()
base da;
derv1 d1;
derv2 d2;
printf("%d %d %d",da.function1(),d1.function1(),d2.function1());
o/p is
a)100,200,200;
b)200,100,200;
c)200,200,100;
d)none

```

```

20)struct {
int x;
int y;
}abc;

```

you can not access x by the following

```

1)abc-- x;
2)abc(0)-- x;
abc.x;
(abc)-- x;
a)1,2,3
b)2&3
c)1&2
d)1,3,4

```

21) automatic variables are destroyed after fn. ends because

```

a)stored in swap
b)stored in stack and popped out after fn. returns
c)stored in data area
d)stored in disk

```

22) relation between x-application and x-server (x-win)

23)UIL(user interface language) (x-win)

24)which is right in ms-windows

```

a)application has single qvalue system has multiple qvalue
b) " multiple " " single "
c) " " " multiple "
d)none

```

25)widget in x-windows is

26)gadget in x\_windows is

27)variable DESTDIR in make program is accessed as

```

a)$(DESTDIR)

```

b) \${DESTDIR}  
 c) DESTDIR  
 d) DESTDIR  
 28) the keystroke mouse entries are interpreted in ms windows as  
 a) interrupt  
 b) message  
 c) event  
 d) none of the above  
 29) link between program and outside world (ms -win)  
 a) device driver and hardware disk  
 b) application and device driver  
 c) application and hardware device  
 d) none  
 30) ms -windows is  
 a) multitasking  
 b) c) d)  
 31) dynamic scoping is  
 32) after logout the process still runs in the background by giving the command  
 a) nohop  
 b)  
 33) process dies out but still waits  
 a) exit  
 b) wakeup  
 c) zombie  
 d) steep  
 34) in dynamic memory allocation we use  
 a) doubly linked list  
 b) circularly linked  
 c) B trees  
 d) L trees  
 e) none  
 35) to find the key of search the data structure is  
 a) hash key  
 b) trees  
 c) linked lists  
 d) records  
 36) data base  
 -----  
 -----  
 employ\_code salary employ\_code leave  
 -----  
 -----  
 from to  
 -----  
 -----  
 1236 1500 1238 --- ---  
 1237 2000 1238 --- ---  
 1238 2500 1237 ---  
 -----  
 1237 --- ---  
 1237 --- ---  
 1237 --- ---  
 -----  
 select employ\_code, employ\_data, leave  
 the number of rows in the o/p  
 a) 18

- b)6
- c)7
- d)3
- 37)DBMS
- 38)read about SQL,db
- 39)which is true
  - a)bridge connects dissimilar LAN and protocol insensitive
  - b)router " " " " "
  - c)gateway " " " " "
  - d)none of the above
- 40)read types of tree traversals.
- 41)42)43) simple programs on pointers in c

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BEST OF LUCK

This is sisl paper given in iit kanpur. enjoy this.

All are multiple choice questions.60 questions to be answered in 60 mins.

Distribution of questions:

---10 questions from data structures and some general topics.

----10 questions from Unix and C.

--7Questions from Data base.

----Remaining from Windows(x windows,MS Windows etc..)

The distribution is not exact.Only approximate.

Totally there are six sections as below:

1.General

2.Unix and c

3.RDBMS

4.C++/object oriented

TCP/IP

6not remembered.

The questions are as follows:

RDBMS-----

1.What is RDBMS...Def

2.Two tables are given.In 1st table 2 columns are there.one is Employee no,second is salary.In second table 3 columns are there,one is employee no,second is date,3rd is salary.

Select employee no,from table 1,table 2.

How many records it will contain?.(This is somewhat difficult).

3.What is transaction?

TCP/IP:

1.X.25 protocol belongs to which layer.

2.Order all the 7 layers in sequence

3,One node has 2 IP address but data goes through only one link.What is the reason?

4,Router,Bridge,Gateway....Which one of these can not connect two different LANS and is protocol sensitive.

5,Client sends server---request or demand or -----Choices are given.

Another section...

1.main(argc,argv)

{

if(argc<1)

```
if(argc<1)
printf("error");
else
exit(0);
}
```

If this program is compiled without giving any argument ,what it will print.

2.What are the static variables...def

3.What is Dynamic allocation ?

4.Dead lock condition...What may be the condition for it.

5.Semaphore variable?..def

> 6.Most