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Section A
1. Which of the following involves context switch,
 (a) system call (b) priviliged instruction (c) floating point exception (d) all the above (e) none of the above
Ans: (a)
2. In OST, terminal emulation is done in
(a) sessions layer(b) application layer(c) presentation layer(d) transport layer
Ans: (b)
3. For a 25MHz processor , what is the time taken by the instruction which needs 3 clock cycles,
(a)120 nano secs (b)120 micro secs (c)75 nano secs (d)75 micro secs
4. For 1 MB memory, the number of address lines required,
(a)11 (b)16 (c)22

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	(d) 24
	Ans. (b)
	5. Semaphore is used for
	(a) synchronization(b) dead-lock avoidence(c) box(d) none
	Ans. (a)
	6. Which holds true for the following statement
	class c: public A, public B
	a) 2 member in class A, B should not have same nameb) 2 member in class A, C should not have same namec) bothd) none
	Ans. (a)
	7. Question related to java
	8. OLE is used in
	a) inter connection in unix b) interconnection in WINDOWS c) interconnection in WINDOWS NT
	9. Convert a given HEX number to OCTAL
	10. Macros and function are related in what aspect?
	(a)recursion(b)varying no of arguments(c)hypochecking(d)type declaration

11.Preproconia does not do which one of the following
(a) macro(b) conditional complicitation(c) in type checking(d) including load file
Ans. (c)
12. Piggy backing is a technique for
a) Flow control b) Sequence c) Acknowledgement d) retransmition
Ans. (c)
13. In signed magnitude notation what is the minimum value that can be represented with 8 bits (a) -128 (b) -255 (c) -127 (d) 0
14. There is an employer table with key fields as employer number data in every n'th row are needed for a simple following queries will get required results.
 (a) select A employee number from employee A , where exists from employee B where A employee no. >= B employee having (count(*) mod n)=0 (b) select employee number from employe A, employe B where A employe number>=B employ number group by employee number having(count(*) mod n=0) (c) both (a) & (b) (d) none of the above
15. Type duplicates of a row in a table customer with non uniform key field customer number you can see

a) delete from costomer where customer number exists(select distinct customer number from customer having count)

- b) delete customer a where customer number in b rowid
- c) delete customer a where custermor number in(select customer number from customer a, customer b)
- d) none of the above

Section B

- 1. Given the following statement enum day = { jan = 1 ,feb=4, april, may} What is the value of may?
- (a) 4
- (b) 5
- (c) 6
- (d) 11
- (e) None of the above
- 2. Find the output for the following C program

```
main
{int x,j,k;
j=k=6;x=2;
x=j*k;
printf("%d", x);
```

3. Find the output for the following C program

```
fn f(x)
{ if(x<=0)
return;
else f(x-1)+x;
}</pre>
```

4. Find the output for the following C program

```
i=20,k=0;
for(j=1;j<i;j=1+4*(i/j))
{k+=j<10?4:3;
}
printf("%d", k);
```

```
Ans. k=4
```

5. Find the output for the following C program

```
int i =10
main()
{int i =20,n;
for(n=0;n<=i;)
{int i=10;
i++;
}
printf("%d", i);
Ans. i=20</pre>
```

6. Find the output for the following C program

```
int x=5;
y= x&y
```

7. Find the output for the following C program

```
Y=10;

if( Y++>9 && Y++!=10 && Y++>10)

{printf("%d", Y);

else

printf("%d", Y);

}
```

Ans. 13

8. Find the output for the following C program

```
f=(x>y)?x:y
```

- a) f points to max of x and y
- b) f points to min of x and y c)error

Ans. (a)

9. What is the sizeof(long int)

```
(a) 4 bytes
(b) 2 bytes
(c) compiler dependent
(d) 8 bytes
10. Which of the function operator cannot be over loaded
(a) <=
(b) ?:
(c) ==
(d) *
11. Find the output for the following C program
main()
\{ int x=2, y=6, z=6; \}
x=y==z;
printf(%d",x)
Section C (Programming Skills)
Answer the questions based on the following program
STRUCT DOUBLELIST
{ DOUBLE CLINKED
INT DET; LIST VOID
STRUCT PREVIOUS; (BE GIVEN AND A PROCEDURE TO DELETE)
STRUCT NEW; (AN ELEMENT WILL BE GIVEN)
DELETE(STRUCT NODE)
{NODE-PREV-NEXT NODE-NEXT;
NODE-NEXT-PREV NODE-PREV;
IF(NODE==HEAD)
NODE
Q. In what case the prev was
(a) All cases
```

(b) It does not work for the last element

- (c) It does not for the first element
- (d) None of these

Answer the questions based on the following program

```
VOID FUNCTION(INT KK) {KK+=20; } VOID FUNCTION (INT K) INT MM,N=&M KN = K KN+-=10; }
```

Q. What is the output of the following program

```
main()
{ int var=25,varp;
varp=&var;
varp p = 10;
fnc(varp)
printf("%d%d,var,varp);
}

(a) 20,55
(b) 35,35
(c) 25,25
(d)55,55
```

Section D

- 1. a=2, b=3, c=6 Find the value of c/(a+b)-(a+b)/c
- 2. What does the hexanumber E78 in radix 7.
- (a) 12455
- (b) 14153
- (c) 14256
- (d) 13541
- (e) 131112

Ans. (d)

3. 10: 4 seconds :: ?: 6 minutes

Ans. 900

- 4. Q is not equal to zero and $k = (Q \times n s)/2$. What is n?
- (a) $(2 \times k + s)/Q$
- (b) $(2 \times s \times k)/Q$
- (c) $(2 \times k s)/Q$
- (d) (2 x k + s x Q)/Q
- (e) (k + s)/Q
- 5. From the following statements determing the order of ranking

M has double the amount as D

Y has 3 rupess more than half the amount of D

Ans. Data insufficcient

Questions 6 - 10 are to be answered on the following data

A causes B or C, but not both

F occurs only if B occurs

D occurs if B or C occurs

E occurs only if C occurs

J occurs only if E or F occurs

D causes G,H or both

H occurs if E occurs

G occurs if F occurs

- 6. If A occurs which of the following must occurs
- I. F and G
- II. E and H
- III. D
- (a) I only
- (b) II only
- (c) III only
- (d) I,II, & III

© 2005 Jobs-Junction.com (e) I & II (or) II & III but not both Ans. (e) 7. If B occurs which must occur (a) D (b) D and G (c) G and H (d) F and G (e) J Ans. (a) 8. If J occurs which must have occured (a) E (b) either B or C (c) both E & F (d) B (e) both B & C Ans. (b) 9. Which may occurs as a result of cause not mentioned I. D II. A III. F (a) I only (b) II only (c) | & || (d) II & III (e) I,II & III Ans. (c) 10. E occurs which one cannot occurs

(a) A (b) F (c) D (d) C © 2005 Jobs-Junction.com

(e) J

Ans. (b)