



what will happen if you free a pointer twice after allocating memory dynamically ?

wht is customised exception?

1.Max value of SIGNED int

a. b. c. d.

2.One questin 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;
```

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```
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.--

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(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;
```

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```
fn(&a,&b);
```

```
print the values os 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()
```

```
{
```

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```
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);
```

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}

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. 65336 d. --

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

10. #define void int

int i=300;

void main(void)

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```
{
```

```
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;`

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```
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?

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. This modifications are taken care by which layer?

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

Ans: (d)

3. Time complexity of quick sort algorithm is

- a) $N*N$
- b) $\log(N)$
- c) $N*\log(N)$
- d) N

Ans: (c)

4. Time complexity of AVL tree is .

- a) $N*N$
- b) $\log(N)$
- c) $N*\log(N)$

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d) N

Ans: (b)

5. Cycle stealing is used in which concept?

a) Programmed I/O

b) DMA

c) Interrupts

Ans: (b)

6. How many octets are there in an IP address

a) 6

b) 8

c) 10

d) 12

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

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- a) 254
- b) 256
- c) 2^{24} (2 to the power 24)

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

- a) Water fall model
- b) Spiral

9. The purpose of reviewing code is

- 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

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- a) Low priority process
- b) Higher priority process

(See O.S.Concepts by Silberschatz)

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

- a) CPU scheduling
- b) Memory management
- c) Transaction

Ans: (c)

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

- a) Lib code
- b) Code and stack
- c) Data
- d) Data, code and stack



14. Which is the maximum 16 bit signed integer.

- a) 66337
- b) 66338
- c) 257
- d) 258

15. When will interrupt occur?

- a) Divide by zero
- b) DMA completed
- c) Insufficient memory

16. Which of the following has low power consumption?

- a) EIL
- b) CMOS
- c) Totem Pole Arrangement

17. Which of the following is the wrong statement?

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- a) Combinational circuits has memory
- b) Sequential circuits has memory
- c) Sequential circuits is a function of time

Ans: (a)

18. Virtual address is

- a) More than physical address
- b) Less than physical memory
- c) Equal to physical memory
- d) None

Ans : (a)

19. Which of the following reduces CPU burden

Ans : DMA

20. Malloc function allocates memory at

- a) compilation time

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- b)link
- c)load
- d)running

Ans: d

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