C-DOT Placement Test Papers

Technical Questions

1.Some protocols are considered to be technically non-routable.Which of the following statements best describes the most common reason why a protocol would be considered non-routable

a.It does not contain the appropriate Data Link layer information required by routers.

b.It uses advanced Transport layer services to move across the Internet and avoids the routing overhead required by the more primitive networking protocols.

c.It defines Physical layer network addresses for internal routing.

d.It does not specify the Network layer addresses required by routers.

Answer: d

2.What is the binary network ID of the loopback IP address

a.1

b.10101010

c.0

d.1111111

Answer:d

3.You are configuring a router.According to the manual, you will need a transceiver to connect to the LAN ports of the router.What kind of physical interface does the router have

a.MSAU

b.RJ-11

c.AUI

d.BNC

Answer:c

4.Which of the following OSI layers is responsible for identifying communications partners

a.Application

b.Session

c.Network

d.Presentation

Answer: a

5.Which of the following network topologies have each computer connected to a central point?

a.Bus

b.Ring

c.Star

d.Mesh

Answer:c

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6.Round robin scheduling is essentially the preemptive version of _____.

a.FIFO

b.Shortest job first

c.Shortes remaining

d.Longest time first

Ans:a

7.What is the memory from 1K - 640K called ?

a.Extended Memory

b.Normal Memory

c.Low Memory

d.Conventional Memory

Ans:d

8.Virtual memory is _____.

a.An extremely large main memory

b.An extremely large secondary memory

c.An illusion of extremely large main memory

d.A type of memory used in supercomputers.

Ans:c

9.The problem of thrashing is effected scientifically by _____.

a.Program structure

b.Program size

c.Primary storage size

d.None of the above

Ans:a

10._____ is the situation in which a process is waiting on another process,which is also waiting on another process ... which is waiting on the first process. None of the processes involved in this circular wait are making progress.

a.Deadlock

b.Starvation

c.Dormant

d.None of the above

Ans:a

11.Find the output of the following program

```
void main()
{
int a, *pa, &ra;
pa = &a;
ra = a;
cout <<"a="<<<"*pa="<<*pa <<" ra"<}
<<"*pa="<<*pa <<" ra"<
```

Answer :Compiler Error: 'ra',reference must be initialized

```
<<"*pa="<<*pa <<" ra"<
```

Explanation: Pointers are different from references. One of the main differences is that the pointers can be both initialized and assigned, whereas references can only be initialized. So this code issues an error

12.NULL Pointer can be used as

a. To stop indirection in a recursive data structure

b. As an error value

c. As a sentinel Value

d. All of Above

Ans:d

13.What will the output of following code

```
{
int x = 10, y = 15;
x = x++;
y = ++y;
printf("%d, %d ", x, y);
}
```

a. 10, 15

b. 10, 16

c. 11, 16

d. 11, 15

Ans:c

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14. Which one of the following is not the advantages of functions?

a. Debugging is easier

b. Testing is easier

c. Recursive call is possible

d. It consumes low disk space

Ans:d

15. Which of the following is/are storage class

a. Automatic

b. Static

c. Allocated

d. All of Above

Ans:d