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FINALTERM EXAMINATION
Fall 2008
CS610- Computer Network

Question No: 1 (Marks: 1) - Please choose one

The number of connections needed for N computer in direct point to point communication is equal to:

- ► **$(N^2 - N)/2$**
- ► $N(N-1)$
- ► N^2
- ► None of the given

Question No: 2 (Marks: 1) - Please choose one

When an application---------- data, it makes a copy of the data available to all other computers on the network.

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- ► **Broadcasting**
- ► Multicasting
- ► Unicasting
- ► None of the given

Question No: 3 (Marks: 1) - Please choose one

Ethernet uses a ------ bit static addressing scheme in which each device is assigned a unique address by the manufacturer.

- ► 64
- ► 48
- ► 32
- ► 8

Question No: 4 (Marks: 1) - Please choose one

A system with redundant bridges might have a problem with_____ in the system.

- ► Loop
- ► Filters
- ► Spanning Trees
- ► All given choices

Question No: 5 (Marks: 1) - Please choose one

The product of delay and throughput measures the _____ of data that can be present on the network.

- ► Area
- ► **Volume (supposition)**
- ► Length
- ► None of the given

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Question No: 6 (Marks: 1) - Please choose one

Connectionless service, Message-Oriented protocol, best effort delivery service, arbitrary interaction and operating system independent are the characteristics of _____

- ► TCP
- ► **UDP**
- ► IP
- ► None of the given

Question No: 7 (Marks: 1) - Please choose one

Connection-oriented service, Point-to-point, Complete reliability, Full-duplex communication, Stream interface, Reliable connection startup and Graceful connection shutdown are the services provided by_____

- ► None of the given
- ► **TCP**
- ► UDP
- ► IP

Question No: 8 (Marks: 1) - Please choose one

The process of using a routing table to select a next hop for a given datagram is called_____

- ► Encapsulation
- ► Reassembling
- ► Routing or forwarding
- ► **None of the given**

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Question No: 9 (Marks: 1) - Please choose one

_____ uses distance vector approach to define routing

- ► BGP
- ► OSPF
- ► **RIP**
- ► None of the given

Question No: 10 (Marks: 1) - Please choose one

A multicast routing scheme in which the protocol software builds a delivery tree from a central point is called_____

- ► Distance Vector Multicast Routing Protocol (DVMRP)
- ► **Core Based Trees (CBT)**
- ► Protocol Independent Multicast_ *Sparse Mode (PIM-SM)*
- ► Protocol Independent Multicast _ *Dense Mode (PIM-DM)*

Question No: 11 (Marks: 1) - Please choose one

One repeater _____, two repeaters _____ the maximum cable length limitation.

- ► doubles, cancel
- ► **doubles, triple**
- ► square roots, cude roots
- ► and, triple

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Question No: 12 (Marks: 1) - Please choose one

Whenever it handles a packet, IP software needs to separate the destination address into a _____ and _____.

- ► postfix, Infix
- ► non of these
- ► Infix, prefix
- ► **prefix, suffix**

Question No: 13 (Marks: 1) - Please choose one

Although message exchange can be used to bind addresses, sending a request for each binding is hopelessly inefficient.

► **True**

► False

Question No: 14 (Marks: 1) - Please choose one

ARP is almost always used to bind a ___-bit IP address to a ___-bit Ethernet address.

► **32, 48**

► 24, 32

► 32, 64

► 32, 128

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Question No: 15 (Marks: 1) - Please choose one

End-to-end delivery service is connection oriented.

► True

► **False**

Question No: 16 (Marks: 1) - Please choose one

A single networking technology is best for all needs.

► True

► **False**

Question No: 17 (Marks: 1) - Please choose one

In the 1970s large organizations began to acquire multiple networks. Each network in the organization formed island. Employees needed to choose a computer appropriate for each task. So they needed multiple screens, keyboards and computers.

► False

► **True**

Question No: 18 (Marks: 1) - Please choose one

Which method of Address Resolution Protocol is useful with any hardware?

Were "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

► T

► **C (Supposition)**

► D

► C, D

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Question No: 19 (Marks: 1) - Please choose one

In which method of Address Resolution Protocol the protocol address is determined by hardware address?

Were "T" stands for Table lookup, "C" for Closed-form Computation and "D" for Data Exchange?

► T

► D

► **C**

► T, C

Question No: 20 (Marks: 1) - Please choose one

We use the term _____ to refer to a measure of the path that routing software use when choosing a route.

- ► routing path
- ► **routing metric**
- ► routing
- ► switching

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