**Computer Network**

**SET B**

MCQ

Q1.The multipoint topology is

1. **Bus**
2. Star
3. Mesh
4. Ring

Q2.IANA stands for \_\_\_\_\_\_\_\_\_\_  
 **a) Internet Assigned Numbers Authority**  
 b) Internal Assigned Numbers Authority  
 c) Internet Associative Numbers Authoritative  
 d) Internal Associative Numbers Authority

Q3.A communication path way that transfers data from one point to another is called

1. **Link**
2. Node
3. Medium
4. Topology

Q4.Information can be represented as a sequence of

1. byte patterns
2. characters
3. **bit patterns**
4. images

Q5.Both station can transmit and receive data simultaneously in

1. simplex mode
2. Half duplex mode
3. **Full duplex mode**
4. None of Above

Q6.In star topology if the central hub goes down, it effects

1. One node
2. No node
3. **whole system**
4. Don't know

Q7.Find the parity bit for 1011011

1. 0
2. **1**
3. 2
4. None

Q8.If the value of checksum is 0, then the message is

1. **accepted**
2. rejected
3. sent back
4. resend

Q9.CRC stands for

1. combine resistance check
2. cyclic redundancy code
3. combine redundancy code
4. **cyclic redundancy check**

Q10.Your boss is concerned about security on your network. She wants to make sure that no one can identify passwords if they happen to view a configuration on your router. What command will encrypt all passwords on your router?

1. Router1#service password-encryption
2. **Router1(config)#service password-encryption**
3. Router1#enable secret password
4. Router1(config)#enable secret password

Q11.The domain name system is maintained by  
**a) distributed database system**  
b) a single server  
c) a single computer  
d) none of the mentioned

Q12.Transmission Control Protocol (TCP) has the same Checksum controlling like

1. **UDP**
2. ICMP
3. STMP
4. IP

Q13.The header size of a TCP datagram is:

1. 4 bytes
2. 8 bytes
3. **20 bytes**
4. 28 bytes

Q14.Guided media provides a conduct from one device to another, includes

1. twisted pair cable
2. fiber optic cable
3. coaxial cable
4. **All of the above**

Q15.Which of the following commands will place an IP address on your Catalyst 1900 switch?

1. Switch1#ip address 10.1.1.1
2. Switch1#ip address 10.1.1.1 255.255.255.0
3. Switch1(config)#ip address 10.1.1.1 255.255.255.0
4. **Switch1(config-vlan)#ip address 10.1.1.1 255.255.255.0**

Q16.The most common twisted-pair cable used in communications are

1. **UTP**
2. STP
3. normal twisted copper pair cables
4. None

Q17.The network layer is responsible for the

1. Node to node communication
2. **Source to destination**
3. Hop to hop communication
4. both b and c

Q18.Which address identifies a process on a host?  
a) physical address  
b) logical address  
**c) port address**  
d) specific address

Q19.Which one of the following routing algorithm can be used for network layer design?  
a) shortest path algorithm  
b) distance vector routing  
c) link state routing  
**d) all of the mentioned**

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| Q20.What does Router do in a network? |
| 1. Forwards a packet to all outgoing links |  |
| 1. Forwards a packet to the next free outgoing link |  |
| 1. **Determines on which outing link a packet is to be forwarded** |  |
| 1. Forwards a packet to all outgoing links except the originated link |  |

Q21.ICMP is primarily used for  
**a) error and diagnostic functions**  
b) addressing  
c) forwarding  
d) none of the mentioned

Q22.Network layer firewall has two sub-categories as  
**a) State full firewall and stateless firewall**  
b) Bit oriented firewall and byte oriented firewall  
c) Frame firewall and packet firewall  
d) None of the mentioned

Q23.When a router cannot route a datagram, the datagram is discarded and sends a message to source i.e.

1. **Destination Unreachable**
2. Destination unverified
3. Destination Unavailable
4. Destination no-entry

Q24.FTP server listens for connection on port number  
a) 20  
**b) 21**  
c) 22  
d) 23

Q25.SSH is \_\_\_\_\_\_\_\_ protocol.  
**a) Application layer**  
b) Transport layer  
c) Network layer  
d) None of the mentioned

Q27.In peer-to-peer network, each computer in a network is referred as

1. server
2. client
3. **peer**
4. sender

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| Q28.If an Ethernet port on a router were assigned an IP address of 172.16.112.1/25, what would be the valid subnet address of this host? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | **172.16.112.0** | | [B.](javascript:%20void%200;) | 172.16.0.0 | | [C.](javascript:%20void%200;) | 172.16.96.0 | | [D.](javascript:%20void%200;) | 172.16.255.0 | |

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| Q29.Which of the following devices translates hostnames into IP addresses? |
| **a.DNS Server** |  |
| b.Hub |  |
| c.DHCP Server |  |
| d.Firewall |  |

Q30. Which command would you use in the CLI at User mode to enter Privileged EXEC mode?

1. Privilege
2. Admin
3. **Enable**
4. Disable