

Session 1:

Q.No.1. The maximum frame size supported by a communication link is known as?

- A: Load B: Reliability **C: MTU** D: Delay

Session 2:

Q.No.3. Which of the following IP Header field is used by the traceroute (tracert) command to find the route to the destination?

- A. TTL** B: Header Length C: Version D: Flags

Q.No.4. Which of the following command allows you to release IP address assigned to the computer and get it renewed from the DHCP server?

- A: netstat **B: ipconfig** C: arp D: tracert

Q.No.5. Which of the following command allows you to view the IP address and MAC address mapping that the computer has learned over the network?

- A: netstat B: ipconfig **C: arp** D: ping

Session 3:

Q.No.6. Which of the following cable can be used for long distance reliable connectivity?

- A. UTP Cable B: Multi Mode Fiber
C: STP Cable **D: Single Mode Fiber**

Q.No.7. Which of the following statement is true about the STP cable?

- A: It can be used for a distance more than 100 meters.
B: supports more throughput as it has more cores than UTP
C: It is less affected by the Electro Magnetic Interference than UTP
D. It uses Infrared light for data transmission.

Session 4

Q.No.8. Which of the following OSI layer states the requirement of an address like the MAC address?

- A: Physical **B: Data Link** C: Network D: Transport

Q.No.9. Which of the following OSI layer works to provide host to host reliable data transfer?

A: Transport B: Network C: Presentation D: Physical

Q.No.10. Which of the following OSI layer is not mapped by the Application layer of the TCP/IP model?

A: Session B: Application **C: Network** D: Presentation

Session 5

Q.No.11. Which of the following function is provided by the data link layer in the Ethernet technology?

A: Error Correction B: Encryption
C: Route Identification **D: Error Detection**

Q.No.12. Which of the following ICMP packet is sent by the host when you ping to a network computer from it?

A: Echo Reply B: Ping request **C: Echo request** D: Ping reply

Q.No.13. Which of the following device can function at Layer 2 and layer 3?

A: Hub **B: Switch** C: Repeater D: Bridge

Session 6

Q.No.14. What is the first field of the Ethernet frame without considering Preamble?

A: Source MAC Address B: Type
C: DATA **D: Destination MAC Address**

Q.No.15. What is Fast Ethernet?

A: It supports 10/100 Mbps speed B: It supports only 10 Mbps speed
C: It supports only 100 Mbps speed D: It supports 1 Gbps speed

Q.No.16. What is the maximum frame size supported by the Ethernet?

A: 64 Bytes B: 600 Bytes **C: 1518 Bytes** D: 1024 Bytes

Session 7

Q.No.17. Which of the following technology is defined by the IEEE 802.5 specification?

A: Wireless

B: Token Ring C: Ethernet

D: Frame Relay

Q.No.18. What is the maximum speed supported by the Token Ring network while using Twisted pair cables?

A: 16 Mbps

B: 8 Mbps

C: 100 Mbps

D: 1 Gbps

Session 8 & 9

Q.No.19. Which of the following is the WAN protocol that supports authentication?

A: X.25

B: PPP

C: IP

D: Frame Relay

Q.No.20. Which of the following authentication protocol provides password security by not transmitting the actual password over the link?

A: LAPB

B: PAP

C: Frame Relay

D: CHAP

Q.No.21. Which of the following protocol allows you to trap particular events taking place on a system and send them to a central monitor system?

A: ICMP

B: NTP

C: SNMP

D: PPTP

Q.No.22. Which of the following protocol is used by the devices to send error messages regarding the communication to the source?

A: ICMP

B: IP

C: TCP

D: SNMP

Session 10

Q.No.23. Which of the following Wi-Fi security option makes use of RADIUS server to provide additional security?

A: WEP

B: WPA-Personal

C: **WPA-Enterprise**

D: TKIP

Q.No.24. What is the length of the IPV6 address?

A: 64 Bit

B: 32 Bit

C: 256 Bit

D: 128 Bit

Q.No.25. What is the correct EUI-64 representation of the MAC address 00-02-4A-57-6B-73?

A: 0002:FFFE:4A57:6B73

B: 0002:4AFF:FE57:6B73

C: 0002:4A57:FFFE:6B73

D: 0202:4AFF:FE57:6B73

Q.No.26. Which of the following IEEE standard for wireless networks supports streaming of multimedia files?

A: 802.11a

~~B: 802.11e~~

C: 802.11g

D: 802.11n

Session 11

Q.No.27. What will be the subnet mask if 18 bits are reserved for the network addressing?

A: 255.255.192.0

B: 255.255.255.192

C: 255.192.0.0 D: 255.255.0.0

Q.No.28. Which of the following NAT option allows multiple LAN clients to use same public IP address to access internet?

A: Static NAT B: Dynamic NAT

C: NAT Overload

D: DNAT

Q.No.29. How many hosts you get within a IP subnet, with the subnet mask of /19?

~~A: 64 Hosts~~

B: 16 Hosts

C: 8 Hosts

D: 32 Hosts

Q.No.30. Which of the following is the broadcast address for a network address and subnet mask combination of 192.168.10.0 / 255.255.255.240?

A: 192.168.10.18

B: 192.168.10.47

C: 192.168.10.54

D: 192.168.10.125

Session 12

Q.No.31. You have configured routers between 4 IP subnets. You have sub netted a network address 192.168.1.0 to create 4 IP subnets. You have configured RIP however the network is not established. What may be the reason?

A: You configured RIP version 1

B: RIP does not supports IPV4

C: You forgot to enter static routes

D: RIP is not a routing protocol

Q.No.32. What is the default administrative distance for OSPF?

A: 90

B: 100

C: 110

D: 120

Q.No.33. Which of the following protocol does not supports Variable Length Subnet mask?

A: EIGRP

B: OSPF

C: RIP v2

D: IGRP

Session 13

Q.No.34. Which of the following header field of the IP protocol is reduced by 1 by each router before forwarding the IP packet?

A: Header Length

B: Destination IP address

C: TTL

D: Source IP address

Q.No.35. Which of the following IP header field flag is used by the TCP protocol to find the MTU supported between the source and the destination?

A: TTL

B: Don't Fragment

C: More Fragments

D: HLEN

Q.No.36. Which of the following ICMP packet type is used by the routers to inform source when the TTL value in the packet becomes zero.

A: 0

B: 3

C: 11

D: 8

Session 14

Q.No.37. Which of the following protocol on manageable switches helps to avoid switching loops?

A: ICMP

B: VTP

C: NNTP

D: STP

Q.No.38. Which of the following protocol helps admin replicate the VLAN information across multiple switches within the network?

A: VTP

B: STP

C: ICMP

D: SNMP

Q.No.39. How many collision domains are created by a HUB?

A: 1

B: 2

C: 255

D: Depends on no. of ports

Q.No.40. How many broadcast domains will be created by a 24 port switch with the default configuration?

A: 24

B: 2

C: 1

D: 255