SELECT THE APPROPRIATE FROM THE FOLLOWING QUESTIONS:-

Q1-Segmentation of a data stream happens at which layer of the OSI model?

A-Physical

B-Data Link

C-Network

D-Transport

Q2-When data is encapsulated, which is the correct order?

A-Data, frame, packet , segment, bit

B-Segment, data, packet, frame, bit

C-Data, segment, packet, frame, bit

D-Data,segment,frame,packet,bit

Q3-Which statement is correct with regard to a MAC address:

A-A MAC, or logical, address is a 48-bit (6 byte) address written in hexadecimal format

B-A MAC, or hardware, address is a 64-bit(6-byte) address written in a hexadecimal format

C-A MAC, or hardware, address is a 48-bit(6-byte)address written in binary format

D-A MAC, or hardware, address is a 48-bit(6-byte)address written in a hexadecimal format

Q4-Which part of a MAC address is called the organizationally unique identifier(OUI)?

A-The first 24bits, or 3 bytes

B-The first 12bits, or 3 bytes

C- The first 24bits, or 6 bytes

D- The first 32bits, or 3 bytes

Q5-What protocol is used to find the hardware address of a local device?

A-RARP

B-ARP

C-IP

D-ICMP

E-BootP

Q6-Which of the following service use TCP? (Choose three)

A-DHCP

B-SMTP

C-SNMP

D-FTP

E-HTTP

F-TFTP

Q7-What is the maximum number of IP address that can be assigned to hosts on a local subnet that

Uses the 255.255.255.224 subnet mask?

A-14

B-15

C-16

D-30

E-31

F-62

Q8-What is the subnetwork address for a host with the IP address 200.10.5.68/28?

A-200.10.5.56

B-200.10.5.32

C-200.10.5.64

D-200.10.5.0

Q9-To test IP stack on your local host, which IP address would you ping?

A-127.0.0.0

B-1.0.0.127

C-127.0.0.1

D-127.0.0.255

E-255.255.255.255

Q10-When you issue the ping command, what protocol are you using?

A-DNS

B-DHCP

C-ARP

D-ICMP

Q11-Which of the following commands sets the secret password to CISCO?

A-enable secret password cisco

B-enable secret Cisco

C-enable secret cisco

D-enable password Cisco

Q12-If you delete the contents of NVRAM and reboot the router, what mode will you be in?

A-Privilaged mode

B-Global mode

C-Setup mode

D-NVRAM loaded mode

Q13-You telnet to a router and make your necessary changes; now you want to end the telnet session. What command do you type in?

A-close

B-disable

C-disconnect

D-exit

Q14-Which command display the configuration register setting?

A-show IP route

B-show boot version

C-show version

D-show flash

Q15-What command will prevent RIP routing updates from exiting an interface but will still allow the interface to receive RIP route update?

A-Router(config-if)#no routing

B- Router(config-if)#passive-intreface

C- Router(config-router)#passive-interface s0

D- Router(config-router)#no routing updates

Q16-Which of the following is the best description of the operation of split horizon?

A-Information of the route should not be sent back in the direction from which the original update came

B-It splits the traffic when you have a large bus(horizon) physical network.

C-It holds the regular update from broadcasting to a downed link

D-It prevents regular update message from reinstating a route that has gone down

Q17-A network administrator needs to configure a router with a distance-vector protocol that allows classess routing. which of the following satisfies those requirements?

A-IGRP

B-OSPF

C-RIPv1

D-IS-IS

Q18-Which type of OSPF network will elect a backup designated router?(choose 2)

A-Broadcast multi-access

B- Non Broadcast multi-access

C-Point to point

D-Broadcast multipoint

Q19-Which of the following is a layer 2 protocol used to maintain a loop-tree network:

A-VTP

B-STP

C-RIP

D-CDP

Q20-Your switch has a port statuts LED that is alternating between green and amber. What could this indicate?

A-The port is experiencing error

B-The port is Shut down

C-The port is in STP blocking mode

D-Nothing, this is normal

Q21-Which switching technology reduces the size of broadcast domain?

A-ISL

B-802.1Q

C-VLANs

D-ISL

Q22-Which of the following command is an IEEE standard for frame tagging?

A-ISL

B-802.3Z

C-802.1Q

D-802.3U

Q23-Which of the following is an example of standard IP access list?

A-access-list 110 permit host 1.1.1.1

B- access-list 1 deny 172.16.10.1 0.0.0.0

C- access-list 1 permit 172.16.10.1 255.255.0.0

D- access-list standard 1.1.1.1

Q24-Which router command allows you to determine whether an IP accesws list is enabled on a particular interface?

A-show ip port

B-show access-list

C-show ip interface

D-show access-list interface

Q25-Which of the following are methods of NAT?(choose 3)

A-Static

B-IP NAT pool

C-Dynamic

D-NAT double-translation

E-Overload