



Exam : JN0-120

Title : Networks Certified Internet Associate, E-series□□□□

Ver : 12-15-2008

**QUESTION 1:**

What are the two negotiation stages defined for the point to point protocol (PPP)?  
(choose two)

- A. IP
- B. IPX
- C. NCP
- D. LCP

Answer: C,D

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**QUESTION 2:**

Which configuration command correctly sets the encapsulation type for a PPP over ATM interface?

- A. encapsulation ppp
- B. encapsulation pppoa
- C. encapsulation aa15mux
- D. encapsulation aa15snap

Answer: A

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**QUESTION 3:**

Which software process sorts client login requests and assigns them to a virtual router for RADIUS service?

- A. PPP
- B. AAA
- C. LCP
- D. NCP

Answer: B

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**QUESTION 4:**

Which session type supports RADIUS authentication?

- A. FTP
- B. SSL
- C. SCP
- D. Telnet

Answer: D

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**QUESTION 5:**

In a PPP over ATM service offering, what is a valid method for assigning an address to the ERX Edge Router?

- A. DHCP assigned addresses
- B. RADIUS assigned address
- C. IP numbered with a loopback reference
- D. IP unnumbered with a loopback reference

Answer: D

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**QUESTION 6:**

When sending an LCP Configuration Request, what can the ERX Edge Router possibly negotiate?

- A. MRU
- B. IP address
- C. WINS assignment
- D. Domain Name Server

Answer: A

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**QUESTION 7:**

What are the well-known UDP ports used by RADIUS accounting servers? (choose two)

- A. 1645
- B. 1646
- C. 1812
- D. 1813

Answer: B,D

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**QUESTION 8:**

In a PPP over ATM environment, which two PPP authentication methods are supported by the ERX Edge Router?

- A. IKE
- B. PAP

- C. CHAP
- D. MSCHAP

Answer: B,C

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**QUESTION 9:**

Which is a method by which an IP interface can be assigned to a assigned to a virtual router in a PPP over ATM environment?

- A. policy list
- B. domain map
- C. classifier ACL
- D. LCP negotiation

Answer: B

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**QUESTION 10:**

What parameter is sent by the LAC when it is establishing an L2TP session with the LNS?

- A. Tunnel ID
- B. Password
- C. IP address
- D. Session ID

Answer: D

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**QUESTION 11:**

A Tunnel Service Module provides which two types of functionality?

- A. L2TP network server
- B. L2TP access concentrator
- C. Network Address Transition
- D. Generic Routing Encapsulation

Answer: A,D

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**QUESTION 12:**

Which command parameter configures a password of connection-o lac for an L2TP Tunnel on an LNS?

- A. 12 tp password connection-to-lac

- B. local password connection-to-lac
- C. Tunnel password connection-to-lac
- D. Server password connection-to-lac

Answer: C

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**QUESTION 13:**

What is the function of L2P?

- A. It allows L2F tunnels across the network
- B. It allows GRE tunnels across the network
- C. It allows PPTP tunnels across the network
- D. It allows PPP o be tunneled across a network

Answer: D

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**QUESTION 14:**

What CLI command display he active L2TP session on a LAC?

- A. show subscriber
- B. show 12tp tunnel
- C. show 12tp session
- D. show tunnel session

Answer: C

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**QUESTION 15:**

You are configure an L2TP LNS. Where do you place the IP address of the LAC?

- A. profile
- B. remote host
- C. aaa domain-map
- D. 12tp destination profile

Answer: D

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**QUESTION 16:**

Where does the LAC obtain the L2TP TUNNEL'S ATTRIBUTES?

- A. profile
- B. domain map
- C. DHCP server

D. L2TP tunnel map

Answer: B

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**QUESTION 17:**

What L2TP protocol packet is sent by the LAC to establish the control connection (tunnel)?

- A. Start Tunnel Discovery Request
- B. Start Control Connection Requests
- C. L2TP Control Connection Request
- D. L2TP Tunnel Establishment Request

Answer: B

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**QUESTION 18:**

Which action in a policy list assigns a unique packet flow to a QoS service?

- A. mark
- B. filter
- C. forward
- D. traffic-class

Answer: D

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**QUESTION 19:**

How many fields in an IP datagram can be examined by a Classifier Access Control List (CLACL)?

- A. 1
- B. 2
- C. 4
- D. 6

Answer: D

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**QUESTION 20:**

What is the maximum number of input policy lists that you can attach to an IP interface?

- A. 1
- B. 2

- C. 128
- D. 512

Answer: A

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**QUESTION 21:**

What configuration parameter controls the depth of the committed bucket in a rate limit profile?

- A. Peak-rate
- B. Peak burst
- C. Committed rate
- D. Committed burst

Answer: D

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**QUESTION 22:**

How many spare line modules are supports for each redundancy group?

- A. 1
- B. 2
- C. 3
- D. 5

Answer: A

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**QUESTION 23:**

Which configuration command enables the router for SNMP?

- A. snmp-client
- B. snmp-server
- C. snmp-client enable
- D. snmp-server enable

Answer: B

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**QUESTION 24:**

What configuration command restores the router to its default configuration settings?

- A. boot file factory-defaults
- B. boot system factory-default

- C. boot config factory-default
- D. boot backup factory-defaults

Answer: C

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**QUESTION 25:**

Which type of cable required to access the routers console port from a PC?

- A. MODEM
- B. Ethernet
- C. Null modem
- D. Straight-through

Answer: C

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**QUESTION 26:**

By default, how does the router handle changes to its operational configuration?

- A. Changes are not implemented, but are saved automatically
- B. Changes are not implemented and must be written into memory.
- C. Changes are implemented immediately and saved automatically
- D. Changes are implemented immediately but must be written into memory

Answer: C

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**QUESTION 27:**

When using a 40 Gbps switch fabric, how much full duplex bandwidth is available to each slot?

- A. 1.25 Gbps
- B. 1.65 Gbps
- C. 2.55 Gbps
- D. 5.00 Gbps

Answer: A

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**QUESTION 28:**

Configuration files for the ERX Edge Router are stored in what format on the flash?

- A. ASCII
- B. Binary



- C. Plain text
- D. Tab delineated

Answer: B

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**QUESTION 29:**

Which router component makes the forwarding decision for an IP datagram?

- A. switch fabric
- B. egress line module
- C. ingress line module
- D. route processor on the SRP

Answer: C

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**QUESTION 30:**

Which file contains a running account of why the router was rebooted?

- A. reboot.log
- B. reboot.hty
- C. history.log
- D. history.txt

Answer: B

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**QUESTION 31:**

How are the slot groups arranged in the ERX 700 Series Edge Router?

- A. Group1 - Slots 0 &1
- Group2 - Slots 2
- Group3 - Slots 3
- Group4 - Slots 4
- B. Group1 - Slots 2 &3
- Group2 - Slots 4
- Group3 - Slots 5
- Group4 - Slots 6
- C. Group1 - Slots 2
- Group2 - Slots 3
- Group3 - Slots 4
- Group4 - Slots 5 &6
- D. Group1 - Slots 3
- Group2 - Slots 4
- Group3 - Slots 5

Group4 - Slots 6 &7

Answer: B

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**QUESTION 32:**

What CLI command causes the router to immediately boot after confirmation?

- A. reset
- B. reboot
- C. reload
- D. restart

Answer: C

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**QUESTION 33:**

What does the SRP distribute to the line modules when a routing table changes?

- A. updated RIB-OUT
- B. link-state information
- C. an incremental update
- D. the complete routing table

Answer: D

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**QUESTION 34:**

In a Routed 1483 network what method of routing is typically employed on the DSL router?

- A. static
- B. OSPF
- C. RIPv1
- D. RIPv2

Answer: A

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**QUESTION 35:**

Which command configures an ATM PVC in a Bridged 1483 network?

- A. atm pvc 33 0 33 aa15snap
- B. atm pvc 33 0 33 aa15bridge
- C. atm pvc 33 0 33 bridge 1483
- D. atm pvc 33 0 33 1483 bridge

Answer: A

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**QUESTION 36:**

Which configuration command represents a static customer route in a Routed 1483 network?

- A. ip route 40.40.0.0 255.255.0.0 172.10.1.2
- B. ip route 40.40.0.0.0.0 255.255 atm 6/0.33
- C. ip route 40.40.0.0.0.0. 255.255 172.10.1.2
- D. ip route 40.40.0.0 255.255.0.0 atm 6/0.33

Answer: D

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**QUESTION 37:**

You have a Bridge 1483 service offering where each ATM PVC is assigned a /30 subnet. What are two characteristics of this configuration?

- A. It burns IP addresses.
- B. It conserves IP addresses.
- C. Both the client and the ERX Edge Router have IP address
- D. The client has an IP address, but the ERX Edge Router uses an unnumbered address.

Answer: A,C

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**QUESTION 38:**

In a Bridge 1483 service offering how does an end users workstation dynamically obtain an IP address?

- A. RADIUS server
- B. External DHCP server
- C. Address pool on the DSL modem
- D. Address pool on the provider router

Answer: B

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**QUESTION 39:**

A service provider is assigned a 30/subnet to each ATM PVC in a Routed 1483 environment. What is a consequence of this configuration?

- A. It burns up IP address
- B. It conserves IP addresses

- C. It results in a smaller routing table
- D. The group of PVCs is treated as a large LAN

Answer: A

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**QUESTION 40:**

In a bridge 1483 network, what configuration command allows the ERX edge router to advertise customer network into the provider's IGP?

- A redistribute direct
- B. redistribute static
- C. redistribute Connected
- D. redistribute access-internal

Answer: C

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**QUESTION 41:**

What configuration Command allows the ERX Edge router to advertise customer network into the provider's IGP?

- A redistribute direct
- B. redistribute static
- C. redistribute Connected
- D. redistribute access-internal

Answer: B

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**QUESTION 42:**

What is the maximum Number of external DHCP servers per virtual router in a Bridged 1483 network?

- A. 3
- B. 5
- C. 10
- D. 20

Answer: B

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**QUESTION 43:**

What profile configuration Command dynamically creates a host route in a routing table?

- A. IP host routes
- B. IP access-routes

- C. Host routes enabled
- D. Access-routes enabled

Answer: B

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**QUESTION 44:**

You are configuring a PPP over Ethernet Service offering. What two types of interfaces can be dynamically created with a profile?(choose two)

- A. IP
- B. ATM
- C. PPPoA
- D. PPPoE

Answer: A,D

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**QUESTION 45:**

You would like to apply a profile named info to either a PPPoA or PPPoE interface. Which two command could be used for this purpose? (Choose two)

- A. Profile IP info
- B. Profile any info
- C. Profile PPP PPPoE info
- D. Profile PPPoA PPPoE info

Answer: A,B

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**QUESTION 46:**

What configuration command dynamically detects and configures a routed 1483 interface?

- A. Auto-configure IP
- B. Auto-Configure PPP
- C. Auto configure PPPoE
- D. Auto configure bridged Ethernet

Answer: A

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**QUESTION 47:**

Which CLI command displays the interfaces associated with your current virtual router?

- A. show ATM VC
- B. show IP interface
- C. Show PPP interface
- D. Show PPPoE sub interface

Answer: B

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**QUESTION 48:**

Beginning with software version 4-0-0 rel, how many virtual routers can be configured on the ERX Edge Router?

- A. 32
- B. 128
- C. 256
- D. 1000

Answer: D

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**QUESTION 49:**

When using virtual routers for a B-RAS service offering ,what are the restrictions on the show subscriber command?

- A. It must include a domain name
- B. It must include a virtual router name
- C. It only displays users in the default virtual router
- D. It only displays users in your current virtual router

Answer: D

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**QUESTION 50:**

Which two parameters are virtual router specific?

- A. ATM PVC
- B. Static routes
- C. IP interfaces
- D. Encapsulation

Answer: B,C

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**QUESTION 51:**

In the configuration of an ATM interface, which two parameters are used by the data link layer?

- A. IP address
- B. ATM framing
- C. Encapsulation
- D. Destination prefix length

Answer: A,B

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**QUESTION 52:**

Which two factors affect the speed of your DSL connection?

- A. line quality
- B. distance from the CO
- C. brand of DSL modem
- D. number of twisted-pair wires used

Answer: A,B

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**QUESTION 53:**

What is the average bit rate specified by the atm pvc 33 0 33 aa15snap 256 128 100 command?

- A. 33
- B. 100
- C. 128
- D. 256

Answer: C

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**QUESTION 54:**

Which two B-RAS service offering do not require user authentication?

- A. Routed 1483
- B. Bridge 1483
- C. PPP over ATM
- D. PPP over Ethernet

Answer: A,B

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**QUESTION 55:**

What protocol is used between the RAS and the authentication server in a narrowband network environment?

- A. RADIUS
- B. PPP PAP
- C. MS CHAP
- D. PPP CHAP

Answer: A

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**QUESTION 56:**

A user is connected on a DSL line and is using a PPP over Ethernet service. What network device encapsulates the datagram inside of an ATM header?

- A. DSLAM
- B. DSL modem
- C. ERX Edge Router
- D. Customer workstation

Answer: B

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**QUESTION 57:**

The ERX Edge Router responds to received PPP over Ethernet Active Discovery initiation (PADI) with which message type?

- A. PPPoE Active Discovery Offer
- B. PPPoE Active Discovery initiation
- C. PPPoE Active Session Confirmation
- D. PPPoE Active Session Acknowledgement

Answer: A

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**QUESTION 58:**

The ERX Edge Router is configured for PPP over Ethernet using VLANs. How many PPP over Ethernet major interfaces can be configured for each VLAN?

- a. 1
- b. 100
- c. 2048
- d. 4096

Answer: A

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**QUESTION 59:**

What process occurs first during the Ethernet Discovery Stage process for a PPPoE



service offering?

- A. The ERX router sends an Active Discovery offer message
- B. The ERX router sends an Active Discovery Initiation message
- C. The customer device send an Active Discovery offer message
- D. The customer device sends an Active Discovery Initiation message

Answer: D

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**QUESTION 60:**

When the ERX Edge Router is terminating DSL customers in a PPP over Ethernet environment what interface type can be used?

- A. POS interface
- B. ATM interface
- C. Loopback interface
- D. Frame Relay Interface

Answer: B