Exam Code: 4A0-109

Exam Name: Alcatel-Lucent Triple Play Services

Vendor: Alcatel-Lucent

Version: DEMO

Part: A

1: Which technical development allowed the deployment of IP protocol features at any point in the network?

A.The invention of ATM

B.The IP enabling of the DSLAM

C.The usage of IP in the home network

D.The usage of an IP enabled BSA

Correct Answers: B

2: The Alcatel 7302 ISAM is typically located in:

A.The customer home

B.The Serving Area Interface (SAI)

C.The provider Central Office (CO)

D.The video headend

Correct Answers: C

3: The Broadband Service Access Node (BSAN) may be:

A.The Alcatel 7330 FTTN ISAM

B.The Alcatel 7342 FTTU ISAM

C.Neither (a) or (b)

D.Both (a) and (b)

Correct Answers: D

4: Why does the RG operate as a DHCP server?

A.As a local backup in case the provider DHCP server is unreachable

B.The subscriber may choose to manage their own IP addresses

C.The RG will never operate as a DHCP server

D.To assign IP addresses to the internal home devices when operating in routed mode

E.To assign IP addresses to the internal home devices when operating in bridged mode

Correct Answers: D

5: What are the minimum requirements for the Residential Gateway? Choose 2.

A.NAT support

B.Support Routed and bridged mode

C.Multicast (IGMP) support

D.Support IP packet filtering

E.Be able to terminate multiple access mediums

Correct Answers: A C

6: The internal BSAN architecture is composed of which of the following?

A.Line Termination (LT) portion and a Network Termination (NT)

B.Link Termination (LT) portion and a Node Termination (NT)

C.Link Termination (LT) portion and a Network Termination (NT)

D.Line Termination (LT) portion and a Node Termination (NT)

Correct Answers: A

7: Which of the following may be connected to the RG in the subscriber home network? Choose the best answer.

A.P.C.

B.TV with STB

C.Gaming console

D.LAN switch

E.Any Ethernet connected device

Correct Answers: E

8: True or False. The RG is typically provider managed in Triple Play Services?

A.True

B.False

Correct Answers: A

9: Which of the following is not a TPSDA network zone?

A.Home

B.Broadband Access

C.Broadband Aggregation

D.Broadband Metro

E.IP Services Edge

Correct Answers: D

10: Choose the best answer to complete the following statement. Ethernet frames transmitted by the RG contain:

A.802.1Q VLAN ID of zero and 802.1P priority bits of all zero

B.802.1Q VLAN ID   randomly assigned by the RG and 802.1P priority bits of all zero

C.802.1Q VLAN ID of zero and 802.1P priority bits randomly assigned by the RG

D.802.1Q VLAN ID of one and 802.1P priority bits of all ones

E.802.1Q VLAN ID of zero and 802.1P priority bits as assigned by the application

Correct Answers: E

11: Why is the DHCP relay agent required?

A.DHCP broadcasts requests will not leave the local subnet by default

B.It allows the modification of DHCP messages to include provider specific parameters

C.It increases the security of the TPSDA

D.It allows the modification of DHCP messages to include subscriber management parameters

E.All of the above

Correct Answers: E

12: The Alcatel 7342 P-OLT is a device that:

A.Is located in the CO that terminates the outlying ONT's

B.Is located in the subscriber home that interfaces to the RG

C.Is located in the subscriber home that connects to the PSTN

D.Is located at the SAI that aggregates DSL lines

Correct Answers: A

13: Which in home wiring standards are suitable for delivery of Triple Play services?

A.Ethernet over Category 5

B.Multimedia over Coax Alliance (MoCA)

C.Home Phone Networking Alliance (HPNA) v3

D.Category 3 wiring

Correct Answers: A B C

14: Which answer best completes the following statement. Over the multicast VPLS, _____ traffic flows in the _____ direction.

A.Multicast data, Upstream

B.Multicast data, Downstream

C.Multicast data, Upstream and Downstream

D.All, Downstream

E.IGMP, Downstream

Correct Answers: B

15: Choose the statement that is true.

A.The unicast VPLS instances of the BSA are connected by a spoke SDP to the BSR

B.On the 7450 ESS BSA, a single unicast SAP is created, shared by all subscribers

C.An SDP may carry only two services

D.On the 7450 ESS BSA, a single multicast SAP is created, shared by all the subscribers on all the BSAN

Correct Answers: A

16: Select the correct statement.

A.A separate SDP carries multicast traffic and unicast traffic between the BSA and the BSR

B.A single SDP carries all multicast traffic over the VPLS

C.Unicast traffic is carried in an SDP and terminates on the BSR IES interface

D.The SDP configurations for unicast and multicast are the same

Correct Answers: C

17: Which of the following is true regarding the function of the LSR's in the VPLS domain? Choose the best answer.

A.They read both labels in the MPLS label stack and forward accordingly

B.They read the inner label in the MPLS label stack and forward accordingly

C.They read the outer label in the MPLS label stack and forward accordingly

D.They read neither label and forward based on destination IP address

Correct Answers: C

18: Which answer best completes the following statement. Over the multicast VPLS, _____ traffic flows in the _____ direction.

A.Multicast data, Upstream

B.IGMP, Downstream

C.Multicast data and IGMP, Upstream

D.IGMP, Upstream and Downstream

E.IGMP, Upstream

Correct Answers: D

19: True or False? An SDP is an MPLS LSP that carries multiple services identified by a label stack.

A.True

B.False

Correct Answers: A

20: True or False? The scalability of the TPSDA is increased by aggregating all the per subscriber VLANs onto a single unicast VPLS.

A.True

B.False

Correct Answers: A