



# ITTEST

QUESTION & ANSWER

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**Exam** : **4A0-109**

**Title** : Alcatel-Lucent Triple Play  
Services

**Version** : Demo

1.How many queues per subscriber can be allocated using a high-speed Media Dependent Adapter (HS-MDA)?

- A. 64 ingress or egress queues
- B. 16 ingress and 16 egress queues
- C. 8 ingress and 8 egress queues
- D. 8 ingress or egress queues

**Answer: C**

2.What is the ultimate goal of Triple Play services?

- A. To bring Ethernet technologies to the subscriber's home.
- B. To assist providers in managing their IP networks.
- C. To move HSI, voice, and video onto a converged IP core.
- D. To accelerate the deployment of MPLS in the provider network.

**Answer: C**

3.Which of the following elements is part of the access network?

- A. IP phone
- B. RG
- C. BSAN
- D. BNG

**Answer: C**

4.Which of the following is correct in a VLAN per all services for all subscribers?

- A. One port per BSAN
- B. One port per service
- C. One SAP per service
- D. One SAP per BSAN

**Answer: D**

5.In numbered WAN scenarios, which protocol will configure the IPv4 address of an RG?

- A. DHCP
- B. LCP
- C. IPCP
- D. ARP

**Answer: C**

6.Which network element will add the PPPoE Relay Tag?

- A. RG
- B. BSAN
- C. BSA
- D. BNG

**Answer: B**

7.A subscriber-host gets an IP address from the RG using SLAAC and all prefixes are centrally managed.

How does the RG receive the correct information?

- A. The RG receives the prefix from the BNG using SLAAC.
- B. The RG receives the prefix information encapsulated in a DHCPv4 message.
- C. The RG receives the IA\_PD in a DHCPv6 message.
- D. The RG receives the IA\_NA in a DHCPv6 message.

**Answer: C**

8. In an FTTU deployment, what device in the home network is used to connect to the provider access network?

- A. DSL modem
- B. DSLAM
- C. ONT
- D. P-OLT

**Answer: C**

9. What information is typically present in the option 82 attribute of the DHCP Discover message relayed from an Alcatel-Lucent BSAN?

- A. Agent user ID
- B. Agent circuit ID
- C. Agent vendor ID
- D. Agent BSAN ID

**Answer: B**

10. Assume a subscriber only requested one multicast group. Which feature should be enabled on the BSAN to ensure the subscriber only receives data from the multicast group requested?

- A. IGMP proxy
- B. IGMP snooping
- C. MC replicator
- D. IGMP querier

**Answer: B**

11. The DHCP clients' formal request to the DHCP server for an offered IP address is contained in which DHCP message type?

- A. DHCP Discover
- B. DHCP Request
- C. DHCP Pack
- D. DHCP Offer

**Answer: B**

12. What is the RG's access connection towards the service provider in FTTN?

- A. Copper DSL technology
- B. GPON technology
- C. BPON technology
- D. EPON technology

**Answer: A**

13.Which message is sent from the DHCPv6 server to the lightweight DHCPv6 relay agent?

- A. Advertise
- B. Confirm
- C. Relay-Forward
- D. Relay-Reply

**Answer: D**

14.An Alcatel-Lucent 7750 SR has a subscriber interface configured with multiple subnets. How is the subnet that is used for subscriber IP address allocation determined?

- A. The DHCP server assigns an IP address based on the gi-address configured on the RG.
- B. The DHCP server assigns an IP address based on the gi-address configured in the subscriber interface context on the BSA.
- C. The DHCP server assigns an IP address based on the gi-address configured in the group interface context.
- D. The DHCP server assigns an IP address based on the option 82 information inserted by the BSA.

**Answer: C**

15.What do IPv6CP Req/Ack messages use to identify the peer?

- A. Circuit ID
- B. Remote ID
- C. Interface ID
- D. SAPID

**Answer: C**

16.In a Routed CO architecture, which of the following is FALSE?

- A. Subscriber sessions are created on the BNG.
- B. IPv4 is supported for IPoE and PPPoE.
- C. IPv6 is supported only for IPoE.
- D. PPPoE is supported on IES and VPRN.

**Answer: C**

17.How can the number of subscribers on a SAP be limited when using ESM?

- A. Use the lease-populate command to secure a finite number of hosts.
- B. Use the host-limit command.
- C. Use the multi-sub-sap command.
- D. Use the antispoofip-mac command.

**Answer: C**

18.The pppoe-access-method in the authentication policy context has been set to " none " . What will happen during the authentication of a PPPoE subscriber-host?

- A. It will be denied access by the authentication policy.
- B. It will be allowed access by the authentication policy.

- C. It will be forwarded to the radius server for authentication.
- D. It will be forwarded to the local-user database for authentication.

**Answer: D**

19.To support dual stack subscribers, what is the minimum version of the IOM card on the AlcatelLucent 7750 SR?

- A. IOM-10g
- B. IOM-20g-b
- C. IOM2-20g
- D. IOM3-xp

**Answer: D**

20.Which of the following about Change of Authorization (CoA) is FALSE ?

- A. CoA can change the SLA-profile.
- B. CoA can change the IP address of the hosts, if dynamically allocated.
- C. CoA can change the subscriber's ADSL line set up.
- D. CoA can create a new subscriber-host.

**Answer: C**