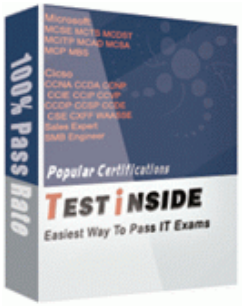
4A0-108 Alcatel Lucent

Alcatel Lucent Alcatel-Lucent Multicast Protocols



Exam :*4A0-108*

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Exam Name: Alcatel-Lucent Multicast Protocols
Questions and Answers: 60 Q&As
(Alcatel Lucent)

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Exam : Alcatel-Lucent 4A0-108

Title : Alcatel-Lucent Multicast Protocols

1. Choose the answer that best completes the statement: An end station on an Ethernet network receiving an IP multicast packet will:

A. Determine at Layer 1 if it is interested in the frame

B. Determine at Layer 2 if it is interested in the frame

C. Determine at Layer 2 after reading the protocol ID field if it is interested in the frame

D. Determine at Layer 3 if it is interested in the frame

E. Determine at Layer 7 if it is interested in the frame

Answer: B

2. Which MAC address will the IP multicast address 239.33.42.107 translate to?

A. 01-00-5e-a1-2a-6b

B. 01-00-5e-21-2a-6b

C. 01-00-5e-21-2c-6c

D. 00-01-5e-a1-2a-6b

E. 00-01-5e-21-2a-6b

F. 01-01-5e-a1-2a-6b

Answer: B

3. An end station receiving a broadcast packet will always process the data up to which layer of the OSI stack?

A. Layer 1

B. Layer 2

C. Layer 3

D. Layer 4

E. Layer 7

Answer: C

4. What is the range of addresses allocated for SSM?:

A. 239.0.0.0/8

B. 233.x.y.0/24

C. 224.0.0.0/24

D. 232.0.0.0/8

Answer: D

5. Which protocol uses multicast address 224.0.0.22?:

A. PIM version 1

B. IGMP version 2

C. OSPF

D. IGMP version 3

E. PIM version 2

Answer: D

6. A multicast receiver has joined multicast group 224.0.0.1. By default, how often will it issue IGMP Host Membership Reports for this group?

A. never
B. 30 seconds
C. 60 seconds
D. 120 seconds
E. 260 seconds
F. Whenever it receives a Query
Answer: A

7. Which of the following are characteristics of the one to many model of multicast data delivery? (Choose two)
A. Receivers are generally unknown by the source
B. Well suited for applications in which the receivers provide feedback to each other and the source
C. There is a single data flow, from the source to the receivers
D. All devices are potentially capable of generating multicast data
E. Receivers are generally known by each other since any receiver may be a source
Answer: AC

8. The use of PIM as a multicast routing protocol provides for which one of the following services?
A. Authentication
B. Guaranteed Delivery
C. Device Security
D. Preventing packet forwarding loops
E. Preventing Denial of Service attacks
Answer: D

9. Which two of the following addresses should not be used in a multicast network at the same time?
A. 233.44.12.35
B. 234.45.12.35
C. 235.46.12.35
D. 236.174.12.35
E. 237.171.12.35
Answer: CD

10. If IGMP version 1 is in use, when is a Host Membership Report issued?:
A. The report is issued by the routers on the broadcast domain in response to a periodic query
B. The report is issued by all members of the multicast group on the broadcast domain in response to a periodic query
C. The report is issued by the receiver at startup of the multicast application.
D. The report is issued by one member of the group on the broadcast domain in response to a periodic query
E. (a) or (b)
F. (c) or (d)
Answer: F

11. Which two of the following addresses should not be used in a multicast network at the same time?
A. 224.192.12.35
B. 235.182.12.35
C. 226.172.12.35
D. 237.138.12.35
E. 238.64.12.35
Answer: AE

12. When forwarding a multicast frame, the normal behavior for a LAN switch with IGMP snooping enabled, is to forward the frame based on the same rules as if it were:
A. A unicast frame with a known destination in the forwarding table

B. A unicast frame with an unknown destination in the forwarding table
C. A unicast frame with a known source in the forwarding table
D. A unicast frame with an unknown source in the forwarding table
Answer: A

13. How many bits of the IP multicast address are copied directly to the multicast MAC address?
A. 27
B. 5
C. 28
D. 9
E. 23
Answer: E

14. Which MAC address will multicast address 224.128.0.1 translate to?
A. 01-00-5e-80-00-01
B. 01-00-5e-22-41-40
C. 01-00-5e-22-28-01
D. 00-01-5e-80-00-01
E. 01-00-5e-00-00-01
F. 01-01-5e-22-28-01
Answer: E

15. Who periodically sends IGMP Host Membership Queries?:
A. The router elected as Querier on a LAN
B. The first host to expire their local suppression timer
C. Only the multicast enabled hosts on a LAN
D. All routers on a LAN
E. All multicast enabled routers on a LAN
Answer: A

16. The OUI field of the MAC address for IP multicast frames is:
A. 00-01-5e
B. 01-01-53
C. 01-01-5e
D. 01-00-5e
E. 01-00-53
Answer: D

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