Question 1

Which of the following route prefixes match the IP-prefix-filter given below? "ip ip-prefix test index 10 permit 10.0.0.0 16 greater-equal 24 less-equal 28" (Select 3 answers)

Options:

A- 10.0.1.0/23

B- 10.0.1.0/24

C- 10.0.1.0/25

D- 10.0.1.0/28

Answer:

B, C, D

Question 2

BGP is an inter-AS routing protocol. Which statements regarding BGP are true? (Select 3 answers)

Options:

A- BGP adopts a reliable transmission layer protocol,

B- BGP supports automatic peer discovery.

C- BGP supports incremental route updates,

D- BGP supports various routing policies.

Answer:

A, C, D

Question 3

Question Type: **MultipleChoice**

What are the differences between the IGMP versions 1, 2 & 3? (Select 2 answers)

Options:

A- IGMPv1/v2 cannot elect devices which may send queries but IGMPv3 can.

B- IGMPv2/v3 members can actively leave groups, whereas in IGMPv1members cannot

C- IGMPv1/v2 do not support the SSM service model but IGMFV3 does.

D- IGMPv1/v2 do not support group-specific queries but IGMPv3 does.

Answer:

B, C

Question 4

Question Type: **MultipleChoice**

On a broadcast network or an NBMA network, not all neighbors need to set up adjacencies with each other. Therefore, the concept of establishing adjacency is applicable only to the broadcast network or the NBMA network.

Options:

A- TRUE

B- FALSE

Answer:

B

Question 5

Which of the following route selection tools is used in multiple routing protocols, can be configured with match conditions, and consists of if-match and apply clauses?

Options:

A- AS-path-filter

B- IP-prefix

C- Route-policy

D- Community-filter

Answer:

C

Question 6

Question Type: **MultipleChoice**

Which statements regarding the range of AS number are true? (Select 3 answers)

Options:

A- If 2-byte AS values are supported, the private AS number ranges from 32768 to 65535.

B- If 2-byte AS values are supported, the private AS number ranges from 64512 to 65535.

C- If 2-byte AS values are supported, the AS number ranges from 1 to 65535.

D- If 4-byte AS values are supported, then the 4-byte AS number is in the x.y format. Here, 'x' and 'y' are integers ranging from 1 to 65535 and 0 to 65535 respectively.

Answer:

B, C, D

Question 7

Question Type: MultipleChoice

Which of these addresses are reserved for use by multicast applications?

Options:

A- Class A

B- Class B

C- Class E

D- Class D

Answer:

D

Question 8

Question Type: MultipleChoice

Which of the statements describes how BGP updates routes?

Options:

A- Broadcasts all routes periodically

B- Update all routes periodically using multicast addresses

C- Updates only changed and new routes

D- Updates routes on BGP peer requests

Answer:

C