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1. Which technology manages multicast traffic at Layer 2 by configuring Layer 2 LAN interfaces dynamically to forward multicast traffic only to those interfaces that want to receive it? A. IGMP B. IGMP snooping C. PIM-DM D. DVMRP E. MOSPF Answer: B

2. Which well-defined routing protocol would a network administrator configure on multicast routers when member routers are widely dispersed? A. Distance Vector Multicast Routing Protocol (DVMRP) B. Protocol Independent Multicast Dense Mode (PIM-DM) C. Multicast Open Shortest Path First (MOSPF) D. Protocol Independent Multicast Sparse Mode (PIM-SM) E. Core-Based Trees (CBT) Answer: D

3. When building an IP multicast domain using PIM which mode assumes that other routers do not want to forward multicast packets for the group? A. PIM-DM B. PIM-SM C. PIM-RP D. CGMP E. IGMP snooping Answer: B

4. What is correct about the BGP synchronization command? (Choose two.) A. Synchronization must be enabled when implementing a multi-homed BGP connection to multiple ISPs. B. If it is turned ON, a prefix learned from IBGP neighbor is valid only if a non-bgp (IGP) route exists for that prefix. C. Synchronization is necessary when peering with an EBGP neighbor. D. Synchronization improves BGP routing convergence. E. Synchronization can be turned off if all the transit routers in an Autonomous system running full mesh IBGP. Answer: BE

5. All

routers in the diagram are configured with EIGRP. If RTB and RTC fail, which action will RTA take with respect to the HQ network? A. RTA will automatically route packets via RTD to the HQ network. B. RTA will place the route via RTD into the hold down state. C. RTA will go into the active state for all routes. D. RTA will go into the active state for the route to HQ network. Answer: D

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