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Answer: BDExplanation:If the switch already has the MAC address in its table for the destination, it will forward the frame directly to the destination port. If it was not already in its MAC table, then they frame would have been flooded out all ports except for the port that it came from. QUESTION 22On a Cisco switch, which protocol determines if an attached VoIP phone is from Cisco or from another vendor? A.   RTPB.   TCPC.   CDPD.   UDP Answer: CExplanation:The Cisco Unified IP Phone uses CDP to communicate information such as auxiliary VLAN ID, per port power management details, and Quality of Service (QoS) configuration information with the Cisco Catalyst switch. QUESTION 23Refer to the exhibit. What must be configured to establish a successful connection from Host A to switch SW-A through router RT-A?A.   VLAN 1 on RT-AB.   IP routing on SW-AC.   default gateway on SW-AD.   crossover cable connecting SW-A and RT-A Answer: CExplanation:In order for the switch to reach networks that are not local, such as networks attached to different interfaces of the router, it will need to set its default gateway to be the IP address of the attached router. QUESTION 24A switch receives a frame on one of its ports. There is no entry in the MAC address table for the destination MAC address. What will the switch do with the frame? A.   drop the frameB.   forward it out of all ports except the one that received itC.   forward it out of all portsD.   store it until it learns the correct port Answer: BExplanation:Understanding this concept is prime for understanding that when switch receives the data frame from the host not having the MAC address already in the MAC table, it will add the MAC address to the source port on the MAC address table and sends the data frame. If the switch already has the MAC address in it's table for the destination, it will forward the frame directly to the destination port. If it was not already in it's MAC table, then they frame would have been flooded out all ports except for the port that it came from. QUESTION 25At which layer of the OSI model does the protocol that provides the information that is displayed by the show cdp neighbors command operate? A.   applicationB.   transport C.   networkD.   physicalE.   data link Answer: EExplanation:CDP is a device discovery protocol that runs over Layer 2 (the data link layer) on all Cisco- manufactured devices (routers, bridges, access servers, and switches) and allows network management applications to discover Cisco devices that are neighbors of already known devices. With CDP, network management applications can learn the device type and the Simple Network Management Protocol (SNMP) agent address of neighboring devices running lower-layer, transparent protocols. QUESTION 26Which two characteristics apply to Layer 2 switches? (Choose two.) A.   increases the number of collision domainsB.   decreases the number of collision domainsC.   implements VLAND.   decreases the number of broadcast domainsE.   uses the IP address to make decisions for forwarding data packets Answer: ACExplanation:Layer 2 switches offer a number of benefits to hubs, such as the use of VLANs and each switch port is in its own separate collision domain, thus eliminating collisions on the segment. QUESTION 27Which two commands will display the current IP address and basic Layer 1 and 2 status of an interface? (Choose two.) A.   router#show versionB.   router#show ip interfaceC.   router#show protocolsD.   router#show controllersE.   router#show running-config Answer: BC QUESTION 28Which two characteristics describe the access layer of the hierarchical network design model? (Choose two.) A.   layer 3 supportB.   port securityC.   redundant componentsD.   VLANsE.   PoE Answer: BDExplanation:The primary function of an access-layer is to provide network access to the end user.The hardware and software attributes of the access layer that support high availability include security services for additional security against unauthorized access to the network through the use of tools such as 802.1x, port security, DHCP snooping, Dynamic ARP Inspection, and IP Source Guard. QUESTION 29Refer to the topology and switching table shown in the graphic. Host B sends a frame to Host C. What will the switch do with the frame? A.   drop the frameB.   send the frame out all ports except port 0/2C.   return the frame to Host BD.   send an ARP request for Host CE.   send an ICMP Host Unreachable message to Host BF.   record the destination MAC address in the switching table and send the frame directly to Host C Answer: B Explanation: QUESTION 30What is the purpose of assigning an IP address to a switch? A.   provides local hosts with a default gateway addressB.   allows remote management of the switchC.   allows the switch to respond to ARP requests between two hosts D.   ensures that hosts on the same LAN can communicate with each other Answer: BExplanation:Switch is a layer 2 device and

doesn't use network layer for packet forwarding. The IP address may be used only for administrative purposes such as Telnet access or for network management purposes. !!!RECOMMEND!!! 1.Braindump2go|NEW 100-105 Exam Dumps (PDF & VCE) 295Q&As Download:http://www.braindump2go.com/100-105.html 2.Braindump2go|NEW 100-105 Study Guide: YouTube Video: YouTube.com/watch?v=H1Mo6SKblEw