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https://www.lead2pass.com/n10-006.html QUESTION 226Which of the following switch features allows for both incoming and outgoing data across physical ports at the same time? A.   Burst-frameB.   Full-duplexC.   Half-duplexD.   VoIPAnswer: B Explanation: Afull-duplex(FDX), or sometimesdouble-duplexsystem, allows communication in both directions, and, unlike half-duplex, allows this to happen simultaneously. Land-line telephone networks are full-duplex, since they allow both callers to speak and be heard at the same time QUESTION 227Which of the following is a common physical network topology? A. Cross-overB.   LoopbackC.   StarD.   Straight Answer: CExplanation: A star network consists of one centralswitch,hubor computer, which acts as a conduit to transmit messages. This consists of a central node, to which all other nodes are connected; this central node provides a common connection point for all nodes through a hub. In star topology, every node (computer workstation or any other peripheral) is connected to central node called hub or switch. QUESTION 228PKI is a method of user authentication which uses which of the following? A.   Various router commandsB.   Access control listsC.   Certificate servicesD.   A RADIUS server Answer: CExplanation:A PKI (public key infrastructure) enables users of a basically unsecure public network such as the Internet to securely and privately exchange data and money through the use of a public and a private cryptographic key pair that is obtained and shared through a trusted authority. The public key infrastructure provides for a digital certificate that can identify an individual or an organization and directory services that can store and, when necessary, revoke the certificates. Although the components of a PKI are generally QUESTION 229A technician has a network with a mix of newer and older equipment. Which of the following settings would dynamically configure whether to use full or half duplex? A.   Transmission speedB.   FrequencyC. Auto-negotiateD.   Distance Answer: CExplanation:Autonegotiation is an Ethernet procedure by which two connected devices choose common transmission parameters, such as speed, duplex mode, and flow control. In this process, the connected devices first share their capabilities regarding these parameters and then choose the highest performance transmission mode they both support. QUESTION 230An administrator needs to install a WAP in a location where there is no electrical wiring. Which of the following should the administrator use to complete a successful installation? A.   CoaxialB.   Wireless bridgeC.   PoED.   Multimode fiber Answer: CExplanation: PoE provides both data and power connections in one cable, so equipment doesn't require a separate cable for each need. QUESTION 231Which of the following is always true when a router selects a destination? A.   The default gateway is selected over any other static or dynamic route.B.   The shortest route is always selected.C.   The most specific route is selected over the default gateway.D.   A dynamic route is selected over a directly attached network. Answer: CExplanation:Router always looks for the most closely matched route for forwarding the packet. For example ifthere are two routes in your router and you have to send a packet to a host with an ip 10.10.10.10 then it will forward packet to 192.168.1.10 rather than 192.168.1.1:Network Destination Netmask Gateway0.0.0.0 0.0.0.0 192.168.1.110.10.10.0 255.255.255.0 192.168.1.10 QUESTION 232A proxy server would MOST likely be installed to provide which of the following functions? (Select TWO). A.   Combined DNS and DHCP hostingB.   EncryptionC.   Content filteringD.   Fault toleranceE.   Website caching Answer: CEExplanation: A content-filtering web proxy server provides administrative control over the content that may be relayed in one or both directions through the proxy. Acaching proxyserver accelerates service requests by retrieving content saved from a previous request made by the same client or even other clients. QUESTION 233Which of the following would the telecommunications carrier use to segregate customer traffic over long fiber links? A.   VLANB.   MPLSC.   VPND.   PSTN Answer: BExplanation: MPLSis a mechanism in high-performance telecommunications networks that directs data from one network node to the next based on short path labels rather than longnetwork addresses, avoiding complex lookups in a routing table. The labels identify virtual links (paths) between distant nodes rather than endpoints QUESTION 234Drag and Drop QuestionDrag and drop the fiber cable connection types to the appropriate image.   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address range varies from 192.0.0.0 to 223.255.255.255. QUESTION 238Drag and Drop QuestionA customer's email server is not sending emails. Arrange the troubleshooting steps in the order the technician should perform them: Answer: QUESTION 239 Drag and Drop QuestionGigSwitch1 is currently configured with a speed of 100 and Duplex is set to Auto on all interfaces. Interface 2 will be connected to GigSwitch2 which is used for all departments. Interface 1 will be used for HR traffic only.GigSwitch1 needs to be configured with the following parameters: * Configure the necessary protocol to prevent switching loops* Configure GigSwitch1 with a /24 IP address for management* Traffic across Interface 1 needs to be forced to accept and receive up to 100Mbps data at the same time* Traffic across Interface 2 needs to be forced to use Gigabit speeds and maximum performance Drag and drop the appropriate configurations to their corresponding requirements. All placeholders must be filled. 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WAP encryption strengthC. WAP radio powerD. Channel overlay Answer: CExplanation:WAP radio power is the signal strength through which you can specify the range from which you can stay connected to the network and access internet. Here, when the user is not able to maintain a stable connection then it is a problem with the signal strength for sure so you can try to increase the signal strength by increasing the radio power. QUESTION 244The security administrator needs to restrict specific devices from connecting to certain WAPs. Which of the following security measures would BEST fulfill this need? A. WAP placementB. MAC address filteringC. Content filteringD. Encryption type and strength Answer: BExplanation: MAC Filtering (or EUI filtering, or layer 2 address filtering) is a security access control method whereby the 48-bit address assigned to each network card is used to determine access to the network. 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