Topics Covered: OS, TCP Model , Network Devices

Question 1: List The Layers Of OSI ?

Question 2: Name the component/unit of data for each layer?

Question 3: You want to implement a mechanism that automates the IP configuration, including IP address, subnet mask, default gateway, and DNS information. Which protocol will you use to accomplish this?

Question 4: What Is The Role Of Tcp/ip In Data Transmission From Source To Destination?

Question 5: Which Layer Specifies Voltage, Wire Speed, And Pinout Cables And Moves Bits Between Devices ?

Question 6: You are the Cisco director of your company. The new branch office opens and you select the hardware needed to support the network. There will be two computer groups, each set by the department. Sales tea computers will be assigned IP addresses from 192.168.1.2 to 192.168.1.50. The Accounting team will be assigned IP addresses from 10.0.0.2 to 10.0.0.50. What device should you choose to connect the two groups of computers in order for the data connection to occur?

Question 7: Mention One Real Place To Use Tcp/ip?

Question 8: What Is The Way To Establish A Tcp Connection?

Question 9: What is the difference between Hub, Switch, and Router?

Question 10: You need to provide network connectivity to 150 client computers that will reside in the same subnetwork, each client computer must be allocated dedicated bandwidth. Which device should you use to accomplish the task?

Question 11: Describe the layers of the OSI model?

Question 12: How a Switch is different from a Hub?
Question 13: What are the HTTP and the HTTPS protocol?

Question 14: What is the use of a router and how is it different from a gateway?

Question 15: What is the FTP protocol?