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Started on

Friday, 2 September 2022, 9:15 AM

State

Finished

Completed on

Friday, 2 September 2022, 10:07 AM

Time taken

52 mins

Marks

37.00/50.00

Grade

74.00 out of 100.00

QUESTION 1

Correct

Mark 1.00 out of 1.00

Which of the following configurations of a wireless network would be considered MOST secure?

- ☐ a. WPA TKIP and hiding the SSID
- ☒ b. WPA2
- ☐ c. WEP and hiding the SSID
- ☐ d. WEP using MAC Filtering



The correct answer is: WPA2

QUESTION 2

Correct

Mark 1.00 out of 1.00

Packet analysis reveals multiple GET and POST requests from an internal host to a URL without any response from the server. Which of the following is the BEST explanation that describes this scenario?

- ☐ a. Man-in-the-middle
- ☐ b. Smurf attack
- ☒ c. Compromised system
- ☐ d. SQL injection attack



The correct answer is: Compromised system

QUESTION 3

Correct

Mark 1.00 out of 1.00

Which of the following network protocols is used to resolve FQDNs to IP addresses?

- ☐ a. DHCP
- ☐ b. APIPA
- ☐ c. FTP
- ☒ d. DNS



The correct answer is: DNS

QUESTION 4

Correct

Mark 1.00 out of 1.00

Stateful packet inspection is a security technology used by which of the following devices?

- ☒ a. Hardware firewall
- ☐ b. Bridge
- ☐ c. IDS
- ☐ d. Unmanaged switch



The correct answer is: Hardware firewall

QUESTION 5

Correct

Mark 1.00 out of 1.00

Which of the following is used to ensure traffic flows efficiently on multiple T-1 circuits?

- ☐ a. DNS server
- ☐ b. Content filter
- ☒ c. Load balancer
- ☐ d. Proxy server



The correct answer is: Load balancer

QUESTION 6

Incorrect

Mark 0.00 out of 1.00

A technician needs to secure web traffic for a new e-commerce website. Which of the following will secure traffic between a web browser and a website?

- ☒ a. DNSSEC
- ☐ b. MTU
- ☐ c. SSL
- ☐ d. WPA2



The correct answer is: SSL

QUESTION 7

Correct

Mark 1.00 out of 1.00

The network technician is troubleshooting a connectivity issue on a CAT5 cable with a wire map and notices that only pins 1, 3, and 6 are mapping correctly. Which of the following pins are open and keeping traffic from flowing correctly?

- ☒ a. 2
- ☐ b. 4
- ☐ c. 8
- ☐ d. 5



The correct answer is: 2

QUESTION 8

Correct

Mark 1.00 out of 1.00

Assigning the same IP address to a network device is which of the following?

- ☐ a. Lease
- ☒ b. Reservation
- ☐ c. Scope
- ☐ d. SSID



The correct answer is: Reservation

QUESTION 9

Correct

Mark 1.00 out of 1.00

Which of the following network topologies is ONLY possible between two users?

- ☐ a. Client-server
- ☒ b. Peer-to-peer
- ☐ c. Hybrid
- ☐ d. Star



The correct answer is: Peer-to-peer

QUESTION 10

Correct

Mark 1.00 out of 1.00

A technician is troubleshooting a network issue and needs to view network traffic on a switch in real-time. Which of the following would allow the technician to view network traffic on a switch?

- ☒ a. Port mirroring
- ☐ b. Port security
- ☐ c. Port forwarding
- ☐ d. ISAKMP



The correct answer is: Port mirroring

QUESTION 11

Correct

Mark 1.00 out of 1.00

The administrator's network has OSPF for the internal routing protocol. One port going out to the Internet is congested. The data is going out to the Internet, but queues up before sending. Which of the following would resolve this issue? Output: Fast Ethernet 0 is up, line protocol is up Int ip address is 10.20.130.5/25 MTU 1500 bytes, BW10000 kbit, DLY 100 usec Reliability 255/255, Tx load 1/255, Rx load 1/255 Encapsulation ospf, loopback not set Keep alive 10 Half duplex, 100Mb/s, 100 Base Tx/Fx Received 1052993 broadcasts 0 input errors 983881 packets output, 768588 bytes 0 output errors, 0 collisions, 0 resets

- ☐ a. Change the slash notation
- ☐ b. Set the loopback address
- ☒ c. Change duplex to full
- ☐ d. Change the IP address



The correct answer is: Change duplex to full

QUESTION 12

Correct

Mark 1.00 out of 1.00

The technician is working on a DNS problem. Which of the following software tool is the technician MOST likely to use to troubleshoot this issue?

- ☐ a. ping
- ☒ b. nslookup
- ☐ c. ipconfig
- ☐ d. nbtstat



The correct answer is: nslookup

QUESTION 13

Incorrect

Mark 0.00 out of 1.00

A company has decided to update their usage policy to allow employees to surf the web unrestricted from their work computers. Which of the following actions should the IT security team implement to help protect the network from attack as a result of this new policy?

- ☐ a. Install host-based anti-malware software
- ☐ b. Implement MAC filtering on all wireless access points
- ☒ c. Block port 80 outbound on the company firewall
- ☐ d. Add an implicit deny to the core router ACL
- ☐ e. Require users to utilize two-factor authentication



The correct answer is: Install host-based anti-malware software

QUESTION 14

Correct

Mark 1.00 out of 1.00

Which of the following security devices can receive and process HTTP requests from hosts to allow or deny traffic for web browsing purposes only?

- ☐ a. VPN concentrator
- ☐ b. DNS server
- ☐ c. Load balancer
- ☒ d. Proxy server



The correct answer is: Proxy server

QUESTION 15

Correct

Mark 1.00 out of 1.00

Ann, a new user, has a workstation that has connectivity to the printer located in her department, but cannot access the Internet. The result of an ipconfig command on Ann's workstation is as follows: IP address: 192.168.0.124 Subnet Mask: 255.255.255.128 Default Gateway: 192.168.0.254 Which is MOST likely preventing the user from accessing the Internet?

- ☒ a. Incorrect gateway
- ☐ b. Bad switch port
- ☐ c. Incorrect VLAN
- ☐ d. Duplicate IP address



The correct answer is: Incorrect gateway

QUESTION 16

Correct

Mark 1.00 out of 1.00

A Chief Executive Officer (CEO) decided that only a limited number of authorized company workstations will be able to connect to the Internet. Which of the following would BEST accomplish this goal?

- ☐ a. Use content filtering
- ☒ b. Enable MAC address filtering
- ☐ c. Enable RAS on the network firewall
- ☐ d. Install and configure IDS



The correct answer is: Enable MAC address filtering

QUESTION 17

Correct

Mark 1.00 out of 1.00

A firewall that detects and prevents attacks from outside the network based on learned data patterns can BEST be described as which of the following?

- ☒ a. Behavior based IPS
- ☐ b. Signature based IDS
- ☐ c. Network based IDS
- ☐ d. Host based IPS



The correct answer is: Behavior based IPS

QUESTION 18

Correct

Mark 1.00 out of 1.00

Which two layers of the OSI model make up the TCP/IP model Network Interface layer?

- ☐ a. Transport and Session
- ☒ b. Physical and Data Link
- ☐ c. Application and Transport
- ☐ d. Session and Presentation



The correct answer is: Physical and Data Link

QUESTION 19

Correct

Mark 1.00 out of 1.00

Which of the following properties of DHCP would a technician use to ensure an IP address is not leased out from the active scope?

- ☐ a. Configuring the DNS options
- ☐ b. Lease times
- ☒ c. Reservations
- ☐ d. Removing IPs from the active leases



The correct answer is: Reservations

QUESTION 20

Incorrect

Mark 0.00 out of 1.00

The network administrator installed a new dipole antenna that extends 100 feet (30.48 meters) from the existing AP. All components are correct, functional, and installed properly. However, during validation, there is a very weak signal coming from the antenna. Which of the following is the MOST likely cause of the issue?

- ☐ a. The radio is too powerful for the installation
- ☐ b. The installation exceeds the link limitations
- ☐ c. The antenna is mounted for vertical polarization
- ☒ d. The dBi output of the antenna is too low



The correct answer is: The installation exceeds the link limitations

QUESTION 21

Correct

Mark 1.00 out of 1.00

Which of the following security appliances are used to only identify traffic on individual systems?

- ☐ a. Host based IPS
- ☐ b. Application based IPS
- ☒ c. Host based IDS
- ☐ d. Network based IDS



The correct answer is: Host based IDS

QUESTION 22

Correct

Mark 1.00 out of 1.00

Which of the following WAN technologies has the HIGHEST latency?

- ☐ a. WiMAX
- ☐ b. LTE
- ☐ c. ADSL
- ☒ d. Satellite



The correct answer is: Satellite

QUESTION 23

Incorrect

Mark 0.00 out of 1.00

Some employees are unable to maintain a wireless network connection. The network's wireless infrastructure is comprised of three different buildings with the configurations listed below. Wireless network in Building A and C is used exclusively for internal employees and Building B is used for visitors and requires no additional configuration on their devices. Which of the following settings would need to be modified to provide the BEST wireless experience for all employees as they move between

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