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State	Finished
Completed on	Thursday, 13 October 2016, 12:28 PM
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Grade	90.00 out of 100.00

Question 1

Complete

Mark 5.00 out of 5.00

What two different types of encryption can be used by IPsec during data transfer?

Select one or more:

- ☒ a. Encapsulating Security Payload (ESP)
- ☐ b. Secure Sockets Layer (SSL)
- ☒ c. Authentication Header (AH)
- ☐ d. Advanced Encryption Standard (AES)

Question 2

Complete

Mark 5.00 out of 5.00

What security encryption protocol requires regular re-establishment of a connection and can be used with any type of TCP/IP transmission?

Select one:

- ☐ a. TLS
- ☒ b. IPsec
- ☐ c. L2TP
- ☐ d. SSL

Question 3

Complete

Mark 5.00 out of 5.00

What encryption protocol was designed as more of an integrity check for WEP transmissions rather than a sophisticated encryption protocol?

Select one:

- ☒ a. TKIP
- ☐ b. AES
- ☐ c. EAP
- ☐ d. Kerberos

Question 4

Complete

Mark 5.00 out of 5.00

The key management phase of IPSec is reliant on which two services below?

Select one or more:

- ☐ a. Encapsulating Security Payload (ESP)
- ☐ b. Authentication Header (AH)
- ☒ c. Internet Security Association and Key Management Protocol (ISAKMP)
- ☒ d. Internet Key Exchange (IKE)

Question 5

Complete

Mark 5.00 out of 5.00

What security principle provides proof of delivery and proof of the sender's identity?

Select one:

- ☐ a. availability
- ☐ b. utility
- ☒ c. non-repudiation
- ☐ d. integrity

Question 6

Complete

Mark 5.00 out of 5.00

After L2TP establishing a VPN tunnel, GRE is used to transmit L2TP data frames through the tunnel.

Select one:

- ☐ True
- ☒ False

Question 7

Complete

Mark 5.00 out of 5.00

What authentication protocol sends authentication information in cleartext without encryption?

Select one:

- ☐ a. MS-CHAPv2
- ☒ b. PAP
- ☐ c. MS-CHAP
- ☐ d. EAP

Question 8

Complete

Mark 5.00 out of 5.00

The combination of a public key and a private key are known by what term below?

Select one:

- ☐ a. key tie
- ☒ b. key pair
- ☐ c. key set
- ☐ d. key team

Question 9

Complete

Mark 5.00 out of 5.00

An enterprise-wide VPN can include elements of both the client-to-site and site-to-site models.

Select one:

- ☒ True
- ☐ False

Question 10

Complete Mark 5.00 out of 5.00

When using public and private keys to connect to an SSH server, where must your public key be placed before you can connect?

Select one:

- ☐ a. In the /var/run/ssh/public folder.
- ☐ b. In the /etc/ssh/keys folder.
- ☐ c. In an authorization file under your home directory on your computer.
- ☒ d. In an authorization file on the host where the SSH server is.

Question 11

Complete Mark 5.00 out of 5.00

When using a site-to-site VPN, what type of device sits at the edge of the LAN and establishes the connection between sites?

Select one:

- ☐ a. VPN server
- ☐ b. VPN proxy
- ☐ c. VPN transport
- ☒ d. VPN gateway

Question 12

Complete Mark 5.00 out of 5.00

The original version of the Secure Hashing Algorithm (SHA) was developed by the NSA, and used a hash of what length?

Select one:

- ☐ a. 128 bit
- ☒ b. 160 bit
- ☐ c. 512 bit
- ☐ d. 256 bit

Question 13

Complete Mark 0.00 out of 5.00

Windows, UNIX, Linux, and Mac OS clients are all capable of connecting to a VPN using PPTP.

Select one:

- ☐ True
- ☒ False

Question 14

Complete Mark 5.00 out of 5.00

Digital certificates are issued by organizations known as what term?

Select one:

- ☐ a. certificate exchanges
- ☒ b. certification authorities
- ☐ c. identity verifiers
- ☐ d. certification registrars

Question 15

Complete Mark 5.00 out of 5.00

What two key lengths are the most popular for the SHA-2 hashing algorithm?

Select one or more:

- ☒ a. 256
- ☐ b. 160
- ☐ c. 1024
- ☒ d. 512

Question 16

Complete Mark 5.00 out of 5.00

The MD5 hashing algorithm is not susceptible to the possibility of hash collisions.

Select one:

- ☐ True
- ☒ False

Question 17

Complete Mark 5.00 out of 5.00

How often should administrators and network users be required to change their password?

Select one:

- ☒ a. 60 days
- ☐ b. 90 days
- ☐ c. 120 days
- ☐ d. 180 days

Question 18

Complete Mark 5.00 out of 5.00

At what layer of the OSI model does the IPsec encryption protocol operate?

Select one:

- ☒ a. Network layer
- ☐ b. Application layer
- ☐ c. Transport layer
- ☐ d. Physical layer

Question 19

Complete Mark 0.00 out of 5.00

The PPP headers and trailers used to create a PPP frame that encapsulates Network layer packets vary between 8 and 10 bytes in size due to what field?

Select one:

- ☐ a. priority
- ☐ b. FEC
- ☐ c. FCS
- ☒ d. encryption

Question 20

Complete

Mark 5.00 out of 5.00

Which type of cloud service model involves hardware services that are provided virtually, including network infrastructure devices such as virtual servers?

Select one:

- ☐ a. XaaS
- ☐ b. SaaS
- ☒ c. IaaS
- ☐ d. PaaS