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Self Assessments

Chapter 3

Part 1 of 1 - **14.0/ 25.0 Points**

Question 1 of 26 — 1.0/ 1.0 Points

TCP/IP - a suite of protocols that includesprotocols such as TCP, IP, UDP and ARP.

✔ A. True
B. False

Answer Key: True

Question 2 of 26 — 1.0/ 1.0 Points

OSI model has seven layers

✔ A. True
B. False

Answer Key: True

Question 3 of 26 — 1.0/ 1.0 Points

In the OSI model, _____ is the 3rd layer.

A. Physical layer
B. Transport layer
✔ C. Network layer
D. Session

Answer Key: C

Question 4 of 26 — 1.0/ 1.0 Points

In the OSI model, _____ is the seventh layer.

✔ A. Application layer
B. Presentation
C. Session
D. Transport

Answer Key: A

Question 5 of 26 — 0.0/ 1.0 Points

What do we call a device that allows two or more networks or multiple parts of one network to connect and exchange data? ✘Router .

Answer Key: Connectivity device

Question 6 of 26 — 1.0/ 1.0 Points

✔Tcp operates in the Transport layer of OSI model.

Answer Key: TCP

Question 7 of 26 — 1.0/ 1.0 Points

TCP segment consists of:-

A. TCP header
B. Data
C. Destination port
✔ D. A and B

Answer Key: D

Question 8 of 26 — 0.0/ 1.0 Points

The UDP header contains these fields; source port, destination port, length and checksum.

- ✗ A. True
- B. False

Answer Key: True

Question 9 of 26 — 1.0/ 1.0 Points

Checksum field in UDP is required in IPv4, but optional in IPv6

- ✓ A. True
- B. False

Answer Key: False

Question 10 of 26 — 0.0/ 1.0 Points

IP operates at the ✗Network of the OSI model.

Answer Key: Network layer

Question 11 of 26 — 1.0/ 1.0 Points

TCP/IP is a connectionless protocol.

- ✓ A. True
- B. False

Answer Key: False

Question 12 of 26 — 0.0/ 1.0 Points

IP depends on ✗Tcp to ensure data packets are delivered to the right address

Answer Key: TCP

Question 13 of 26 — 1.0/ 1.0 Points

Flags and Source IP address as some of the fields found in IPv4 Packets.

- ✓ A. True
- B. False

Answer Key: True

Question 14 of 26 — 0.0/ 1.0 Points

How many field does an IPv6 packet contain?

- A. 2
- B. 9
- C. 6
- ✗ D. 8

Answer Key: B

Question 15 of 26 — 0.0/ 1.0 Points

The length of a flow label in an IPv6 packet is:

- A. 20 bits
- B. 16 bits
- C. 8 bits
- ✗ D. 4 bits

Answer Key: A

Question 16 of 26 — 1.0/ 1.0 Points

ICMP is a Transport layer core protocol that reports one the success or failure of data delivery

- ✓ A. True
- B. False

Answer Key: True

Question 17 of 26 — 0.0/ 1.0 Points

Internet Control Message Protocol correct errors it detects

✗ A. True
B. False

Answer Key: True

Question 18 of 26 0.0/ 1.0 Points

Firewall uses IGMP to determine which nodes belong to a certain multicast group

✗ A. True
B. False

Answer Key: False

Question 19 of 26 1.0/ 1.0 Points

✓ Address resolution protocol is a Layer 2 protocol that uses IP in Layer 3 and it operates only within its local network
.
Hint: use full name not acronym.

Answer Key: Address Resolution Protocol

Question 20 of 26 0.0/ 0.0 Points

Which statement id False about routers?

A. Prevents certain types of traffic from getting to a network
✓ B. Supports asynchronous local and remote connectivity
C. Provides high network fault tolerance through redundant components such as power supplies
D. Diagnoses internal or other connectivity problems and trigger alarms

Answer Key: B

Question 21 of 26 0.0/ 1.0 Points

✗ IS-IS used by interior routers and border routers within autonomous systems and are often grouped according to the algorithms they use to calculate best paths.
Hint: Use acronym upper cases

Answer Key: IGP

Question 22 of 26 1.0/ 1.0 Points

Which of the following statements are TRUE about Open Shortest Path First (OSPF).

A. Introduced as an improvement to RIP.
B. Uses a more complex algorithm for determining best paths.
C. Requires more memory and CPU power than RIP, but keeps network bandwidth to a minimum .
✓ D. All of the above

Answer Key: D

Question 23 of 26 0.0/ 1.0 Points

netstat - displays TCP/IP statistics and details about IP components/connections on a host

✗ A. True
B. False

Answer Key: False

Question 24 of 26 1.0/ 1.0 Points

NetBIOS is a Linux protocol that was once an alternative to TCP/IP

✓ A. True
B. False

Answer Key: False

Question 25 of 26 0.0/ 1.0 Points

Linux, UNIX, Windows and OS X system use the traceroute utility to send UDP messages to a random port on the destination node (concept is the same as tracert)

✗ A. True
B. False

Answer Key: False

Question 26 of 26 1.0/ 1.0 Points

pathping is a Windows utility that combines elements of both ping and tracert to provide deeper information about network issues along a route

- ✔ A. True
- B. False

Answer Key: True