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**Started on** Thursday, 6 April 2017, 1:02 AM**State** Finished**Completed on** Thursday, 6 April 2017, 1:14 AM**Time taken** 11 mins 46 secs**Grade** 12.00 out of 12.00 (100%)**Question 1**

Correct

Mark 1.00 out of 1.00

Which of the following describes the process of a wireless device switching from one AP to another?

Select one:

- ☐ a. roaming
- ☒ b. handoff ✓
- ☐ c. routing
- ☐ d. redirecting

The correct answer is: handoff

**Question 2**

Correct

Mark 1.00 out of 1.00

Which is true about the CSMA/CD media access method?

Select one:

- ☐ a. collisions can't be detected so they are avoided
- ☒ b. the hidden node problem makes it unsuitable for wireless networks ✓
- ☐ c. all stations wait a random amount of time after the medium is clear
- ☐ d. it uses frame acknowledgement

The correct answer is: the hidden node problem makes it unsuitable for wireless networks

**Question 3**

Correct

Mark 1.00 out of 1.00

What is a disadvantage of narrowband transmissions?

Select one:

- ☐ a. requires a complicated algorithm
- ☐ b. not well regulated
- ☐ c. expensive to implement
- ☒ d. interference from another radio signal ✓

The correct answer is: interference from another radio signal

**Question 4**

Correct

Mark 1.00 out of 1.00

"Cloud" in cloud computing represents what?

Select one:

- ☐ a. Wireless
- ☐ b. Servers
- ☐ c. Network
- ☒ d. Internet ✓

The correct answer is: Internet

**Question 5**

Correct

Mark 1.00 out of 1.00

What is Cloud Computing replacing?

Select one:

- ☒ a. All of the above ✓
- ☐ b. Corporate data centers
- ☐ c. Expensive software upgrades
- ☐ d. Expensive personal computer hardware

The correct answer is: All of the above

**Question 6**

Correct

Mark 1.00 out of 1.00

Which of these is not a major type of cloud computing usage?

Select one:

- ☐ a. Platform as a Service
- ☐ b. Infrastructure as a Service
- ☐ c. Software as a Service
- ☒ d. Hardware as a Service ✓

The correct answer is: Hardware as a Service

**Question 7**

Correct

Mark 1.00 out of 1.00

Which of the following is used in Internet routing?

Select one:

- ☐ a. EIGRP
- ☐ b. Static routes
- ☒ c. BGP ✓
- ☐ d. OSPF

WANs typically use statics routes, OSPF, and EIGRP, but Internet routing uses the BGP protocol.

The correct answer is: BGP

**Question 8**

Correct

Mark 1.00 out of 1.00

Which port is used by Secure Shell?

Select one:

- ☐ a. 161
- ☐ b. 20, 21
- ☐ c. 110
- ☐ d. 69
- ☒ e. 22 ✓

The ports are as follows:

Transport Protocol	Port	Application Description	
UDP	110	POP3	Post Office Protocol
UDP	161	SNMP	Simple Network Management Protocol
UDP	69	TFTP	Trivial File Transfer Protocol
TCP	22	SSH	Secure Shell
TCP	20 (data port), 21 (command/control)	FTP	File Transfer Protocol

The correct answer is: 22

**Question 9**

Correct

Mark 1.00 out of 1.00

BGP does enables computers to connect to other computers by establishing neighbor connections. True or False?

Select one:

- ☒ a. True ✓
- ☐ b. False

The BGP routing protocol enables computers to connect to other computers in millisecond time to any location around the world. BGP does this by establishing neighbor connections. When this is done, each neighbor router shares it routes.

The correct answer is: True

**Question 10**

Correct

Mark 1.00 out of 1.00

\_\_\_ routes are routes set up by the network administrator and specify fixed paths between two routers.

Select one:

- ☒ a. Static ✓
- ☐ b. Source
- ☐ c. Dynamic
- ☐ d. Destination

The correct answer is: Static

**Question 11**

Correct

Mark 1.00 out of 1.00

Which of the following is a device that sends out and picks up radio waves and is used by access points and wireless NICs?

Select one:

- ☒ a. antenna ✓
- ☐ b. transmitter
- ☐ c. receiver
- ☐ d. wireless modem

The correct answer is: antenna

**Question 12**

Correct

Mark 1.00 out of 1.00

\_\_\_ cable is the most frequently used network cable because it is relatively inexpensive and easy to install.

Select one:

- ☐ a. Shielded twisted-pair
- ☒ b. Unshielded twisted-pair ✓
- ☐ c. Thin coax
- ☐ d. Thick coax

The correct answer is: Unshielded twisted-pair