

CCNA 1: Network Fundamentals Module 1

1. Which of the following descriptions are true regarding the management connections on a Cisco router? (Choose three.)

- They are non-network connections.

They are used to connect the router to the rest of the production network.

They are synchronous serial ports.

- They are used for initial router configuration.

- They are asynchronous serial ports.

They are accessed using their assigned IP address.

2. The console port can be used for which of the following? (Choose three.)

- debugging.

- password recovery.

routing data between networks.

- troubleshooting.

connecting one router to another.

3. Which of the following describes the function of a WAN?

connects peripherals in a single location.

connects multiple networks in a single building.

provides connectivity on a LAN.

- provides connectivity over a large geographic area.

4. An internetwork must include which of the following? (Choose three.)

- switching.

static addressing.

IETF standardization.

- dynamic or static routing.

- consistent end-to-end addressing.

5. ABC Company just purchased three new routers to start their company network.

Which items are needed to establish a terminal session between a PC and the router for the initial configuration? (Choose three.)

straight-through cable.

- terminal emulation software.

- rollover cable.

- RJ-45 to DB-9 connector.

V.35 cable.

6. Terminal emulation software, such as HyperTerminal, can be used to configure a router. Which of the following HyperTerminal options shown in the graphic are correctly set to allow configuration of a Cisco router? (Choose three.)

bits per second.

- data bits.

- parity.

- stop bits.

flow control.

7. Which of the following devices are used in the construction of a WAN? (Choose three.)

hubs.

- routers.

- communication servers.

transceivers.

- modems.

multi-port repeaters.

8. Which of the following are functions of RAM? (Choose three.)

contains startup configuration file.

- stores routing table.

- holds fast switching cache.

retains contents when power is removed.

- stores running configuration file.

9. Why is a console connection to a router or switch preferred when troubleshooting? (Choose two.)

can be accessed remotely.

- does not depend on network services.

- displays startup and error messages by default.

does not require special components.

10. Which basic components do a router and a standard desktop PC have in common? (Choose three.)

- CPU.

hard drive.

- input/output interfaces.

keyboard.

monitor.

- system bus.

11. During the initial configuration of a 2600 series Cisco router, which cable is required for connecting a PC to the console port?

twisted.

crossover.

- rollover.

straight.

12. A router is composed of many internal components. Which of the following components stores a copy of the router's configuration file?

metal-oxide memory.

read only memory.

flash memory.

- non-volatile random access memory.

13. What contains the instructions that a router uses to control the flow of traffic through its interfaces?

packet configuration.

- configuration files.

flash memory.

internal components.

14. Several Ethernet hosts on a LAN need the gateway services of a Cisco 2500 series router. Which of the following would be needed to physically connect a router to all of the hosts on the LAN? (Choose two.)

a crossover cable between the transceiver on a router and a switch.

a crossover cables between a switch and hosts on a LAN.

a straight-through cable between the auxiliary port on a router and a switch.

a rollover cable between the console port on a router and a switch.

- straight-through cables between a switch and hosts on a LAN.

- a straight-through cable between the transceiver on a router and a switch.

15. Which router component holds the configuration file when power is lost?

volatile random access memory.

read only memory.

- non-volatile random access memory.

flash memory.

16. Which of the following layers of the OSI model are incorporated in WAN standards? (Choose two.)

- physical layer.

application layer.

transport layer.

- data link layer.

session layer.

17. Which of the following are true regarding router interfaces? (Choose three.)

provide temporary memory for the router configuration files.

- connect the router to the network for packet entry and exit.

- can be on the motherboard or a separate module.

hold the IOS image.

- connect the router to LANs and WANs.

18. Which of the following tasks can be accomplished through a management connection on a router? (Choose three.)

- troubleshooting problems.

- monitoring the system.

capturing LAN data packets.

- configuring the router.

routing data packets.

19. What do routers use to select the best path for outgoing data packets?

ARP tables.

bridging tables.

- routing tables.

switching tables.

20. Which of the following are functions of NVRAM? (Choose two.)

stores the routing table.

- retains contents when power is removed.

- stores the startup configuration file.

contains the running configuration file.

stores the ARP table.

21. Select the statements that correctly describe flash memory in a 2600 series router?

(Choose two.)

holds the startup configuration by default.

- can be upgraded with single in-line memory modules.

- stores Cisco IOS software images.

stores routing table information by default.

maintains the only copy of an IOS image after the router is booted.