

NAME: _____ DATE: _____

Northampton Community College
CISC267 – CCNA 2 - Chapter 1 Study Guide

1. Describe the following components of a router:
 - a. RAM

 - b. ROM

 - c. NVRAM

 - d. FLASH

 - e. LINE

 - f. INTERFACE

2. Which interface would you use for a WAN connection?

3. What will happen when a router fails to load a configuration file?

4. Describe the boot up sequence for a router.

5. What is POST?

6. What locations can a router load an IOS when booting up?

7. What are the primary functions of a router?

8. Explain the process a router goes through when it receives a packet from one network destined for another network segment.

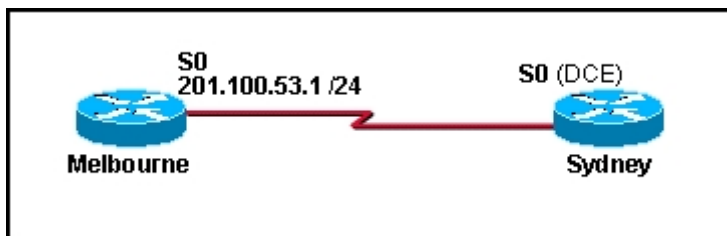
9. What cable is used to connect two routers via their Ethernet ports?

10. What special cable is used to connect two routers via their Serial ports?

11. What command encrypts the service passwords on a router?

12. What is load balancing?

13. When will a route be displayed in a routing table?



14. When configuring these two directly connected router, what additional command will be needed on the Sydney router that is not needed on the Melbourne Router?

15. What interfaces and modes would you protect with passwords?

16. List the commands to password protect telnet sessions to a router.

17. Identify the reasons for the following interface states:
 - a. Administratively down, protocol down

 - b. Line down, protocol down

 - c. Line up, protocol up

 - d. Line up, protocol down

18. What command would allow you to save a configuration change?

19. When a router forwards a packet from one network to another, what header information is changed?

20. What configuration parameter is critical for a host to communicate to another network segment?