What type of cable is used to connect the Ethernet interface on a host PC to the Ethernet interface on a

switch?

ans- Straight through (patch) cable

What type of cable is used to connect the Ethernet interface on a switch to the Ethernet interface on a

router?

ans- Straight through (patch) cable

What type of cable is used to connect the Ethernet interface on a router to the Ethernet interface on a

host PC?

ans-Copper Cross-Over

When the prompt returns, issue the reload command. Answer no if asked to save changes.

What would happen if you answered yes to the question, “System configuration has been

modified. Save?”

ans-Configuration would be saved to NVRAM negating the whole purpose of erasing the startup configuration.

Why would you want to disable DNS lookup in a lab environment?

Ans- If DNS lookup enabled ,For a typing error the router does attempt to lookup in a DNS entry . So for saving time we want to disable DNS lookup in a lab environment.

What would happen if you disabled DNS lookup in a production environment?

Ans-If DNS lookup is disabled user will have to manually lookup for all the IP addresses if needed for all the systems every time.

Why is it not necessary to use the enable password password command?

Ans- The show run command will expose the password.

When does this banner display?

Ans-When a user logins into the router either through telnet or the console connection

Why should every router have a message-of-the-day banner?

Ans-To let a person know about the router’s description.

What is a shorter version of this command(R1#copy running-config startup-config)?

=copy run start

Test connectivity by pinging from each host to the default gateway that has been configured for that host.

From the host attached to R1, is it possible to ping the default gateway? Yes

From the host attached to R2, is it possible to ping the default gateway? Yes

If the answer is no for any of the above questions, troubleshoot the configurations to find the error using

the following systematic process:

1. Check the PCs.

Are they physically connected to the correct router? (Connection could be through a switch or

directly.) Yes

Are link lights blinking on all relevant ports? Yes

2. Check the PC configurations.

Do they match the Topology Diagram? Yes

3. Check the router interfaces using the show ip interface brief command.

Are the interfaces up and up? Yes

If your answer to all three steps is yes, then you should be able to successfully ping the default gateway.

Step 4: Test connectivity between router R1 and R2.

From the router R1, is it possible to ping R2 using the command ping 192.168.2.2? Yes

From the router R2, is it possible to ping R1 using the command ping 192.168.2.1? Yes

If the answer is no for the questions above, troubleshoot the configurations to find the error using the

following systematic process:

1. Check the cabling.

Are the routers physically connected? Yes

Are link lights blinking on all relevant ports? Yes

2. Check the router configurations.

Do they match the Topology Diagram? Yes

Did you configure the clock rate command on the DCE side of the link? Yes

3. Check the router interfaces using the show ip interface brief command.

Are the interfaces “up” and “up”? Yes

If your answer to all three steps is yes, then you should be able to successfully ping from R2 to R1 and

from R2 to R3.