

Name: _____ Date: _____

Northampton Community College
CISC271 – CCNA 3 & 4 – WANs and Security
Chapter 3 - Study Guide

1. Describe the differences between circuit-switched and packet-switched

2. Describe the features of Frame Relay.

3. What benefit does Frame Relay offer over ISDN?

4. What does Frame Relay use for error detection and pseudo flow control?
Describe these methods.

5. Describe the DLCI.

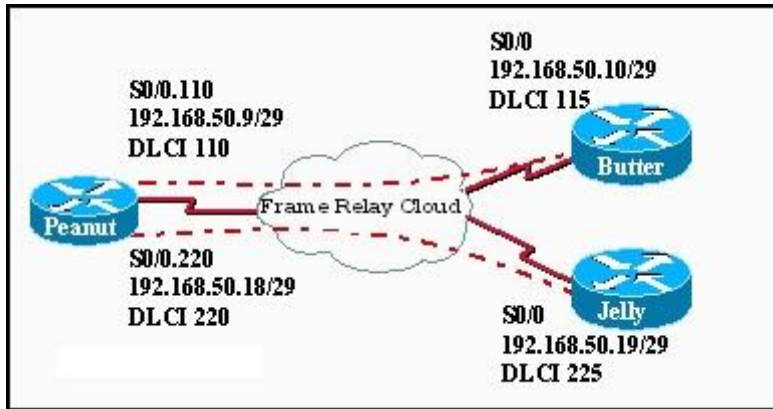
6. What type of circuit is created between two DTE devices in a wan connection?

7. What process does Frame Relay use to dynamically map DLCIs to IP addresses?

8. Why would you use the **bandwidth** command at an interface?

9. Why would you use the **broadcast** command in a frame relay configuration?

10. What is a CIR? SLA?



11. Use the graphic above to complete the following questions:
- What type of network is this (P-P, P-MP, NBMA, Hub and spoke)?
 - What DLCI would Peanut use to send info to Jelly?
 - What commands would be used at Peanut to configure the S0/0 interface?
List the complete FR config for the interface!
 - What are the configuration commands on the S0/0 for the Butter router?
12. For Frame Relay, what are possible problems if an interface is up; line protocol down.
13. Explain the three PVC states.

14. What is LMI?

15. What out do the following commands display?

a. **Show frame-relay lmi**

b. **Show frame-relay map**

c. **Show frame-relay pvc**