Computer Networks Lab Final

Theory Part

University of Barishal Dept. of Computer Science and Engineering Course Code: CSE-3206; Course Title: Computer Networks Lab Session: 2015-16; Exam: Lab Quiz; Time: 40 minutes; Mark: 10 **Answer any five (05)**	
1.	What is Brouter? What is the difference between a TCP socket and a UDP socket? Why would you use one or the other?
2.	What are the key elements of protocol? What is a peer-peer process?
3.	Explain port address, logical address, and physical address.
4.	List the responsibilities of Transport Layer. What is Checksum?
5.	What is ICMP? What is a private IP address?
6.	What is Kerberos? How does three-way handshake work in TCP?
7.	Write a short note on routing. What are the differences between RIPv1 and RIPv2?

Lab Part

Lab Work

Exam Roll: **Name:**

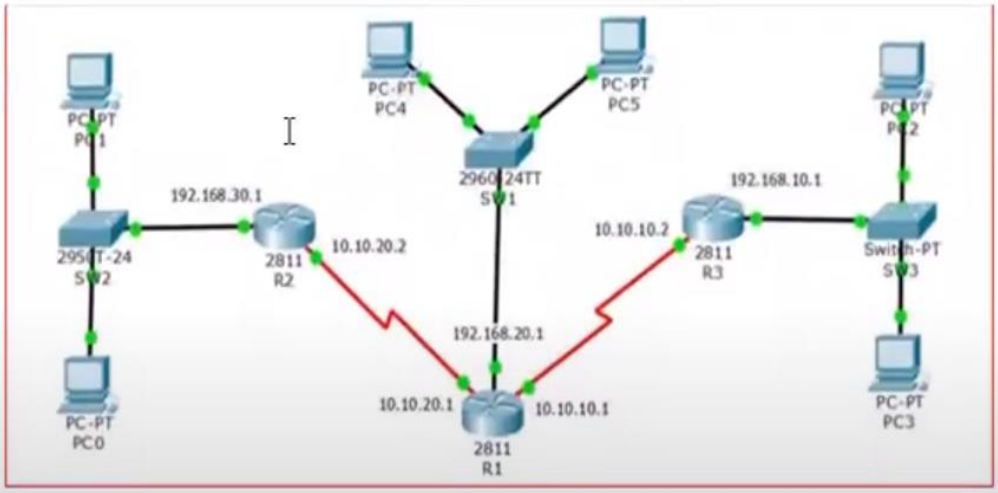

Fig. 01: Topology digagram-01

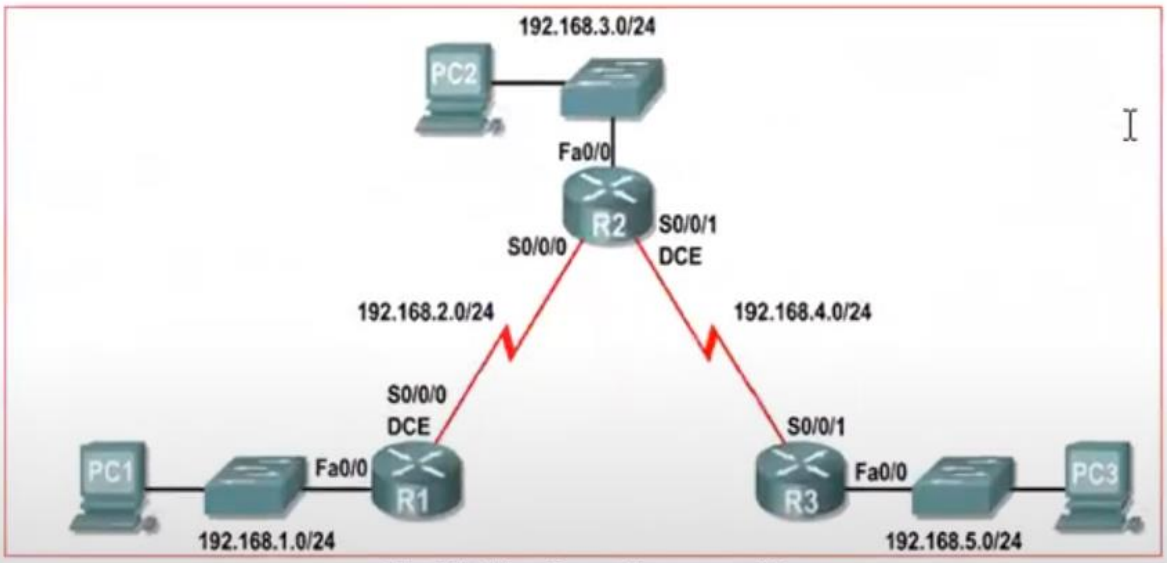

Fig. 02: Topology digagram-02

Lab Activities:

i) Complete the Basic Configuration
ii) Configure IP address in all devices
iii) Perform PING test
iv) Configure routing - *Odd Exam Roll: Static Routing (Fig. 01); Even Exam Roll: Dynamic Routing (Fig. 02)*
v) Perform PING test between any networks

P.T.O

Addressing Table:

Device	Interface	IP Address	Subnet Mask	Default Gateway

Question: For a /25 answer the following questions.

What is the block size?	
How many usable hosts does the subnet have?	
What is the subnet mask for the last octet?	
How many subnets of this size are possible in a class C?	
Write the last netmask octet in binary?	

Rough for the above question:

For a /25:

What is the block size:	block	128
How many usable hosts does the subnet have:	hosts	126
What is the subnet mask for the last octet:	mask	128
How many subnets of this size are possible in a class C:	subnets	2
Write the last netmask octet in binary:	binary	10000000