

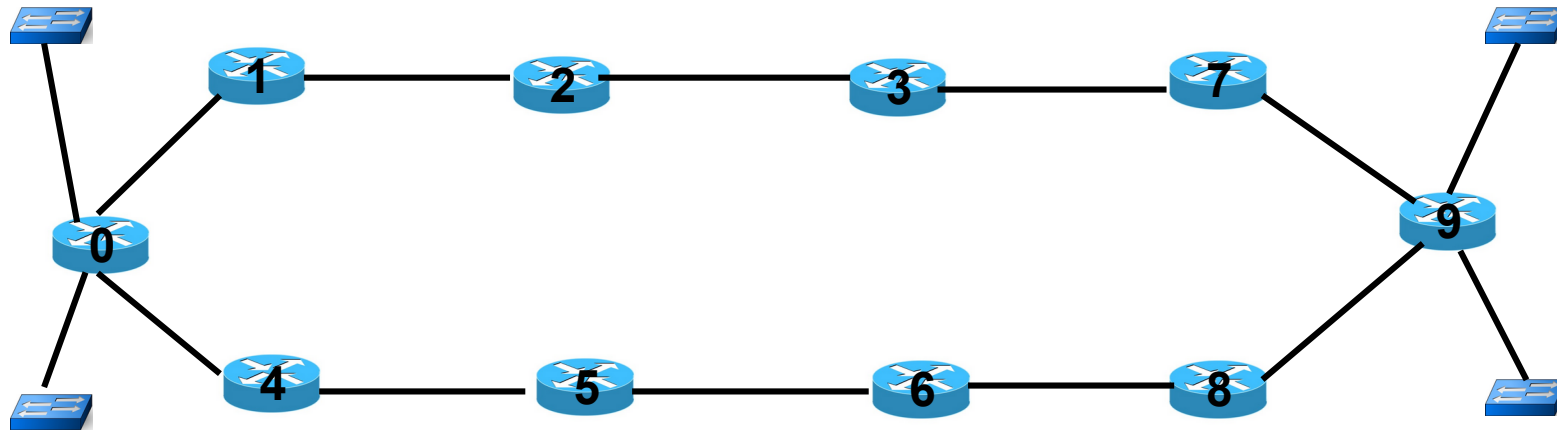
University of Asia Pacific
Department of Computer Science and
Engineering Computer Network Lab Mid Exam

Marks: 50

Time: 2hrs

CSE Access Network
Host: 3000

Network base address will start from: 172.12.0.0/16



This network will have
4 web servers:
1. www.uap-bd.edu
2. www.cse-uap.edu
3. www.bba-uap.edu
4. www.admin.edu

This network will have
4 web servers:
1. www.bd.gov
2. www.info.gov.bd
3. www.nu.edu
4. www.ntv.tv

BBA Access Network
Host:2000

Figure: Exam topology

Tasks:

- | | |
|--|----|
| • Complete the VLSM calculation for the above network | 10 |
| • You have to configure all Routers, Servers, and PC's. | 20 |
| • You should apply RIP Version 2 routing protocol at each Router. | 08 |
| • For the DNS, you will add DNS server with the IP address of 160.16.10.34/22 at Router 2 and share the information with both CSE and BBA access network. | 2 |
| • For testing, you will add PC's on CSE and BBA Access network with the last usable host of that particular network. | 5 |
| • To configure web servers, you may choose the IP address sequentially from that particular network. | 5 |