

#### Homework-4 Questions:

1-

- a. What is the difference between static and dynamic IP addressing
- b. What is the difference between a public and a private IP address?
- c. What is the name for the service which converts names of computers into IP addresses?
- d. What is the difference between a set of Class C IP addresses and a set of Class B IP addresses?

2- Suppose that the TCP congestion window is set to 54 KB and a timeout occurs. How big will the window be if the next four transmission bursts are all successful? Assume that the maximum segment size is 8 KB.

3-

- a. What are problems with traditional queue management? Why is active queue management needed?
- b. What are goals of active queue management?
- c. Give 3 algorithm of active queue management with detailed explanation.