

St.Joseph's College of Engineering

Department of IT

CS6551-Computer networks

Assignment 3

Part-A

1. Give any two Transport layer service.
2. Define congestion.
3. What is the main difference between TCP & UDP?
4. What are the advantages of using UDP over TCP?
5. Write short notes on congestion control.
6. What do you mean by QoS?
7. What are the four aspects related to the reliable delivery of data?
8. Name the policies that can prevent (avoid) congestion.

Part-B

1. Write short notes on
 - (i) TCP segment format
 - (ii) silly window syndrome (Or) discuss the silly window syndrome and explain how to avoid it.
2. Describe with examples the three mechanisms by which congestion control is achieved in TCP.
3. i) Discuss TCP congestion avoidance algorithm in detail.
 - ii) Why does TCP uses adaptive retransmission and describe its mechanism.
4. Explain connection establishment and connection closing in TCP or Describe how reliable and ordered delivery is achieved through TCP