Intro. To Network Module
Year 2023-2024

BUE- Faculty of ICS
Module Leader: Prof. Ahmad Mostafa

<u>Network Delays Test Questions</u>

Answer the following question

1. Which of the following delay is faced by the packet in travelling from one end system to another?
   a. Propagation delay
   b. Queuing delay
   c. Transmission delay
   d. All of the mentioned

2. For a 10Mbps Ethernet link, if the length of the packet is 32bits, the transmission delay is _____ (in microseconds)
   a. 3.2
   b. 32
   c. 0.32
   d. 320

3. The time required to examine the packet's header and determine where to direct the packet is part of _____
   a. Processing delay
   b. Queuing delay
   c. Transmission delay
   d. Propagation delay

4. Given L = number of bits in the packet, a = average rate and R = transmission rate. The Traffic intensity in the network is given by _____
   a. La/R
   b. LR/a
   c. R/La
   d. Ra/L

Intro. To Network Module
Year 2023-2024

BUE- Faculty of ICS
Module Leader: Prof. Ahmad Mostafa

5. In the transfer of file between server and client, if the transmission rates along the path is 10Mbps, 20Mbps, 30Mbps, 40Mbps. The throughput is usually _____
   a. 20Mbps
   b. 10Mbps
   c. 40Mbps
   d. 50Mbps

6. The total nodal delay is given by _____
   a. dnodal = dproc − dqueue + dtrans + dprop
   b. dnodal = dproc + dtrans − dqueue
   c. dnodal = dproc + dqueue + dtrans + dprop
   d. dnodal = dproc + dqueue − dtrans − dprop

7. In a network, If P is the only packet being transmitted and there was no earlier transmission, which of the following delays could be zero?
   a. Propagation delay
   b. Queuing delay
   c. Transmission delay
   d. Processing delay

8. Transmission delay does not depend on _____
   a. Packet length
   b. Distance between the routers
   c. Transmission rate
   d. Bandwidth of medium

9. Propagation delay depends on _____
   a. Packet length
   b. Transmission rate
   c. Distance between the routers
   d. Speed of the CPU