


National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Computer Networks	Course Code:	CS 3001
	Program:	BS (Computer Science)	Semester:	Fall 2023
	Duration:	15 minutes	Total Marks:	15
	Quiz Date:	14-Sept-2023	Section	5K
	Exam Type:	Quiz 1 - Chapter 1	Page(s):	2

Student Name

Roll No.

Section:

Q1. Encircle the correct option:

[5 marks] [CLO 1]

- Which of the following is not a host?
 - Server
 - Client
 - Router
 - Peer
- Which of the following delays are due to traffic mix and the switch/router internals?
 - Queueing & Transmission Delay
 - Propagation & Processing Delay
 - Propagation & Transmission Delay
 - Queueing & Processing Delay
- Frequency Division Multiplexing (FDM) is used by:
 - Packet Switching
 - Circuit Switching
 - Hybrid
 - None of the above

True/False:

- Packet Switching does not require congestion control and buffer management. [T / F]
- ISO/OSI reference model has 5 number of layers. [T / F]

Q2. Consider that the link capacity of a channel is 512 Kbps and round – trip time is 1000ms. What is the bandwidth delay product? **[5 Marks] [CLO 1]**

Solution:

Q3. In the transfer of file between server and client, if the transmission rates along the path is 10Mbps, 20Mbps, 30Mbps, 40Mbps. What will be the throughput? Explain your reason. **[5 Marks] [CLO 1]**

Solution: