	Course Name:	Computer Networks	Course Code:	CS 3001
	Program:	BS (Computer Science)	Semester:	Fall 2022
	Duration:	15 minutes	Total Marks:	15
	Paper Date:	15-September-2022	Section	5B
	Exam Type:	Quiz 1 - Chapter 1	Page(s):	2

Student Name   **Roll No.**   **Section:**

Q1. Encircle the correct option: [5 marks]

1. Which of the following is not a part of access network?
   a) Edge Router
   b) Server
   c) Physical Media
   d) Both (b) & (c)

2. Which of the following delays are due to link properties?
   a) Queueing & Transmission Delay
   b) Propagation & Processing Delay
   c) Propagation & Transmission Delay
   d) Queueing & Processing Delay

3. In which of the following a DSLAM is used
   a) Edge Node
   b) Cable Network
   c) Optic Fiber
   d) None of the above.

True/False:

1. Transport Layer is implemented on a router. [T/F]

2. Packet Switching uses Time Division Multiplexing.   [T / F]

Q2. Assume that you are downloading an MP3 file 200 million bits. The transmission rate of server i.e., Rs is 16 Mbps while transmission rate i.e., Rc of your access link is 4 Mbps. What is the required time to transfer the file considering that all delays except transmission delay are negligible? **[6 Marks]**

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. **[4 Marks]**

Solution: