

	Course Name:	Computer Networks	Course Code:	CS 3001
	Program:	BS (Computer Science)	Semester:	Fall 2023
	Duration:	20 minutes	Total Marks:	15
	Paper Date:	05-December-2023	Section	5J
	Exam Type:	Quiz 6 - Chapter 6	Page(s):	2

**Student Name**

**Roll No.**

**Section:**

**Q1. Encircle the correct option:**

**[5 marks] [CLO 3]**

- Pure (Un-slotted) ALOHA is:
  - Highly efficient
  - Highly centralized
  - Highly decentralized
  - Fully decentralized
- What is the length of preamble in frame header?
  - 4 bytes
  - 5 bytes
  - 6 bytes
  - 7 bytes
- It is possible to detect and correct multiple bit errors on link layer using:
  - CRC
  - Ethernet
  - 2 - D parity scheme
  - None of the above

**True/False:**

- The data link layer divides the stream of bits received from the network layer into data units called Datagram. [T / F]
- Flow control can be implemented at datalink layer. [T / F]

**Q2.** X wants to send a data string  $D = 11000$  to Y using the CRC generator string G equivalent to generator polynomial  $G(x) = x^3 + x + 1$ . What is the value of check bit sequence? Show complete working. **[10 Marks] [CLO 3]**