	Course Name:	Computer Networks	Course Code:	CS 3001
	Program:	BS (Computer Science)	Semester:	Fall 2022
	Duration:	15 minutes	Total Marks:	15
	Paper Date:	24-Nov-2022	Section	5B
	Exam Type:	Quiz 5 - Chapter 5	Page(s):	2

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

Q1. Encircle the correct option: [5 marks]

1. ARP is the best considered as the protocol of:

   a) Routing Network layer

   b) Data Link layer

   c) Physical Layer

   d) between network and data link layers

2. What is the length of preamble in frame header?

   a) 4 bytes

   b) 5 bytes

   c) 6 bytes

   d) 7 bytes

3. It is possible to detect and correct multiple bit errors on link layer using:

   a) CRC

   b) Ethernet

   c) 2 - D parity scheme

   d) None of the above

True/False:

1. The data link layer divides the stream of bits received from the network layer into data units called Datagram. [T / F]

2. Flow control is done 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]**