

	Course Name:	Computer Networks	Course Code:	CS 3001
	Program:	BS (Computer Science)	Semester:	Spring 2024
	Duration:	15 minutes	Total Marks:	15
	Paper Date:	22-Feb-2024	Section	6A
	Exam Type:	Quiz 2 - Chapter 2	Page(s):	2

Student Name

Roll No.

Section:

Q1. Encircle the correct option:

[5 marks] [CLO 2]

1. Which HTTP header is commonly used in Conditional GET requests to check if a resource has been modified since a certain date?
 - a) Cache-Control
 - b) Last-Modified
 - c) If-Modified-Since
 - d) Expires

2. What is the primary purpose of an MX record in DNS?
 - a) used to map an alias to a canonical domain name
 - b) specifies which DNS server is authoritative for this domain
 - c) used to map (point) a domain name to an IP - address
 - d) mail server aliasing

3. In the context of email communication, which protocol is commonly used for sending emails between servers?
 - a. SMTP
 - b. DNS
 - c. IMAP
 - d. HTTP

True/False:

1. DNS uses TCP as a transport layer protocol [T / F]
2. Persistent with Pipelining HTTP connections require a new connection to be established for each resource request [T / F]

Question 2: [Marks 10]

Alice is shopping online via internet with a connection of **0.5 Mbps**. The web page of size **20 Kbytes** contains **20 images of 15 Kbytes** each. Assume that the **one way propagation delay** is **2.5 ms**. **[3 + 3 + 4 Marks] [CLO 2]**