National University of Computer and Emerging Sciences, Lahore Campus

NAME OF STREET	Course Name:	Computer Networks
	Program:	BS (Computer Science)
	Duration:	15 minutes
Salla & RHER CHAP	Paper Date:	21-September-2023
	Fxam Type:	Quiz 2 - Chapter 2

Student Name Roll No. Section:

Q1.	Encircl	e the	correct	option:

[5 marks] [CLO 2]

Course Code: CS 3001

Semester:

Section

Page(s):

Total Marks:

Fall 2023

15 5K

2

1.	When displaying webpage, the application layer uses the protocol.
	a) FTP
	b) HTTP
	c) TCP
	d) POP3

- 2. Multiple objects can be sent over a same TCP connection between client and server in:
 - a) Non-Persistent HTTP
 - b) Persistent HTTP
 - c) None
 - d) Both (a) & (b)
- 3. The underlying transport layer protocol used by SMTP is:
 - a) POP3
 - b) UDP
 - c) TCP
 - d) IMAP

True/False:

- 1. Socket is only a combination of port number. [T/F]
- 2. IMAP maintains state across sessions. [T/F]

provider through a DSL link with 100 Kbps (1K bits = 10^3 bits) connection speed. You coand try to access a web page on the webserver running on your home machine. The cauniversity runs at 100 Mbps with an access link of 8 Mbps (1M bits = 10^6 bits). Further from your University campus to your home is 150 ms. The base html file size you requestly bytes). This base file also includes 3 referenced files (3 small images.) The first image the page is 20 KB (20 kilo bytes, the second which appears somewhere in the middle of the kilo bytes) and the third image, towards the end of the page, is 15 KB (15 kilo bytes.) Reimages are sent by your browser in that order, without using any Parallel TCP connections time spent in processing of html files, i.e., processing and queuing delays.)	ome to the University impus LAN in the assume that the RTT est is 10 KB (10 kilo nat appears on the e pages is 30 KB (30 equests for these
(a) What is the total number of HTTP requests generated from the browser on camp	ous computer?
(b) How long would it take your browser from sending the first HTTP request to rec file?	ceiving the base html
(c) Assume http/1.0 (non-persistent). How long would it take your browser from sendisplaying the complete web page?	nding the request to