National University of Computer and Emerging Sciences, Lahore Campus Quiz2 [BCS: Section 5A] Fall 2024

Computer Networks (Code: CS3001)	Quiz Date: September 19, 2024
Total Marks: 13	Duration: 20 -Minutes
Name Roll #-	
Instructions: Attempt all questions on this sheet. You can make sheet).	use of rough sheet (do not attach to this
Q1: Identify and encircle the correct option(s). (3 Marl I. With P2P file sharing, the peer that is distributing the file is lab (a) Client (b) Server (c) router (d) Non 2- HTTP uses connections in its default mode: (a) persistent (b) parallel (c) non-persistent (d) Non 3- DNS runs over 10 and uses port 52. (a) TCP, 23 (b) UDP, 23 (c) TCP, 53 (d) UDP, 23	e of these both dient and server e of these in a single commer. session it only act as either a server or dien
Q2: We observe an increase in the total delay (time) for those requests	
because of the involvement of the cache). Let LD be the average LAN del	
the Internet delay, and RT be the total response time. Moreover, assume delay. The following values are given LD = $10ms$, ALD = $50ms$, ID = $100ms$	
The state of the s	(4 + 6 = 10 Marks) [CLO 2]
(B) Find the average response delay (time) when a cache is used, and the	e cache hit ratio is 80%?
a) RT= LD+ ALD+ 10= 10+50+ 100= 160,	ms
[HR X(LD+ACP)] + [Min rade x RT]	
1) [- 40 ,00] 1 0 2×160 Acre	mptien: Web cache deployed
= 56 ms # in	a LAN