

National University of Computer and Emerging Sciences, Lahore Campus



Course:
Program:
Duration:
Date:
Section:

Computer Networks
BS(Computer Science)
20 Minutes
Oct, 2019
E (b)

Course Code: CS307
Semester: Fall 2019
Total Marks: 14
Quiz: 2
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Name _____ Roll No. _____

Question 1: [Marks 4]

1. Domain Name System (DNS), has two types of messages

- a) Query and Resolver
- b) Hosted and Generic
- c) Query and Responsive
- d) Resolver and Informative

2. Which multiplexing technique transmits digital signals?

- a) FDM
- b) TDM
- c) WDM
- d) FDM & WDM

3. Unreliable and connectionless protocol is

- a) TCP
- b) ARP
- c) RARP
- d) IP

4. Which of the following is false with respect to UDP

- a) Connection-oriented
- b) Unreliable
- c) Transport layer protocol
- d) All of the mentioned

Question 2: [Marks 4]

Indicate whether you think TCP or UDP would be better suited for each of the following applications and briefly explain why.

• Internet telephony voice channel

UDP – reliability is not needed, but a guaranteed transfer rate is. UDP will give a higher-quality transmission if there are limited network resources.

• IRC (chat) client/server

Definitely TCP – reliability, in-order delivery is needed, and bandwidth/latency guarantees are not.

Question 3: [Marks 6]

Consider the TCP connection mechanism.

- i. What mechanism is used to set up a TCP connection?
- ii. Using diagram show how the mechanism works.