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**Started on** Thursday, February 16, 2023, 2:36 PM

**State** Finished

**Completed on** Thursday, February 16, 2023, 2:42 PM

**Time taken** 5 mins 48 secs

**Grade** 10.00 out of 10.00 (100%)

**Question 1**

Complete

Mark 1.00 out of 1.00

Which of the following service is provided by TCP?

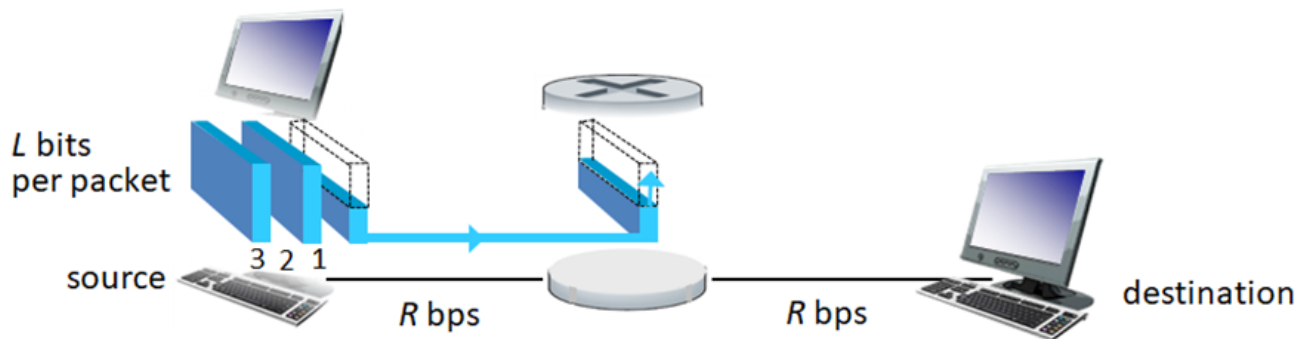
- ☐ a. Reliable transport, flow control, timing
- ☒ b. Flow control, congestion control, reliable transport
- ☐ c. Congestion control, reliable transport, security
- ☐ d. None of the above

## Question 2

Complete

Mark 1.00 out of 1.00

Consider the following network, where ONLY transmission delay is considered.



Now assuming that there are  $N$  links between the path from the source to the destination (instead of 2 links shown in the figure), the total delay to send  $P$  packets back-to-back from the source to the destination is \_\_\_\_.

- ☐ a.  $NL/R$
- ☐ b.  $NPL/R$
- ☐ c.  $(N+P)L/R$
- ☒ d.  $(N+P-1)L/R$

## Question 3

Complete

Mark 1.00 out of 1.00

A protocol defines \_\_\_\_.

- ☐ a. The actions taken on the transmission and/or receipt of messages or other event
- ☐ b. The order of messages exchanged among network entities
- ☐ c. The format of messages exchanged among network entities
- ☒ d. All of the above

**Question 4**

Complete

Mark 1.00 out of 1.00

\_\_\_\_\_ are at the top level of the hierarchical Internet structure.

- ☐ a. Google and IXP
- ☒ b. Tier 1 ISP and content provider network
- ☐ c. Regional ISP and Tier 1 ISP
- ☐ d. Regional ISP and access ISP

**Question 5**

Complete

Mark 1.00 out of 1.00

Like HTTP protocol, FTP protocol may also send control message and data through the same TCP connection. True or False.

Select one:

- ☐ True
- ☒ False

**Question 6**

Complete

Mark 1.00 out of 1.00

A user requests a Web page that consists of some text and two images. For this page, the client will send one request message and receive three response messages. True or False.

Select one:

- ☐ True
- ☒ False

**Question 7**

Complete

Mark 1.00 out of 1.00

HTTP response messages never have an empty message body. True or False.

Select one:

- ☐ True
- ☒ False

**Question 8**

Complete

Mark 1.00 out of 1.00

The two query approaches for the DNS name resolution are iterated query and linear query. True or False.

Select one:

- ☐ True
- ☒ False

**Question 9**

Complete

Mark 1.00 out of 1.00

Web cache acts as a server when communicating with the original web browser and acts as a client when communicating with the original web server. True or False.

Select one:

- ☒ True
- ☐ False

**Question 10**

Complete

Mark 1.00 out of 1.00

Which of the following belongs to access networks?

- ☐ a. LSUS campus network
- ☐ b. AT&T 4G LTE wireless network
- ☐ c. MaxxSouth Hybrid Fiber Coax (HFC) cable network
- ☒ d. All of the above

[◀ Lecture 10](#)