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> Week 4 Lecture (13-14 MAR): P2P + Transport Layer Part I > Week 4 Quiz

Started on Monday, 25 March 2019, 8:42 PM

State Finished

Completed on Monday, 25 March 2019, 8:44 PM

Time taken 1 min 28 secs

Grade 10.00 out of 10.00 (100%)

Question **1**

Correct

Mark 1.00 out of 1.00

P2P networks must have servers to help new peers find other peers.

Select one:

- ☐ True
- ☒ False

The correct answer is 'False'.

Question **2**

Correct

Mark 1.00 out of 1.00

P2P networks must maintain trackers to help new peers join the network.

Select one:

- ☐ True
- ☒ False

The correct answer is 'False'.

Question **3**

Correct

Mark 1.00 out of 1.00

The 'rarest first' is a P2P networking policy to select

Select one:

- ☐ a. the next peer to download chunks from
- ☒ b. the next chunk to download ✓
- ☐ c. the tracker to query for other peers
- ☐ d. the file to download

Your answer is correct.

The correct answer is: the next chunk to download

Question **4**

Correct

Mark 1.00 out of 1.00

The 'rarest first' policy helps

Select one:

- ☐ a. download precious files
- ☐ b. download chunks that no other peers have
- ☒ c. duplicate chunks in the P2P network so even if a peer disappears, other peers will contain the chunks ✓
- ☐ d. remove chunks from the network that are rarely used

Your answer is correct.

The correct answer is: duplicate chunks in the P2P network so even if a peer disappears, other peers will contain the chunks

Question **5**

Correct

Mark 1.00 out of 1.00

In BitTorrent, Peer A will never send chunks to Peer B if Peer B is not in Peer A's top 4 list.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **6**

Correct

Mark 1.00 out of 1.00

In DHT, a hash function converts

Select one:

- ☐ a. an integer to a real number
- ☐ b. an a real number to an interger
- ☐ c. an integer to a string
- ☒ d. a string to an interger ✓

Your answer is correct.

The correct answer is: a string to an interger

Question **7**

Correct

Mark 1.00 out of 1.00

Which of the following will help address the 'peer churn' (i.e., a peer disappearing) problem?

Select one:

- ☐ a. Each peer knows its two immediate predecessors
- ☐ b. Each peer knows its two immediate successors
- ☐ c. Each peer knows its immediate successor and two immediate predecessors
- ☒ d. Each peer knows its immediate predecessor and two immediate successors ✓

Your answer is correct.

The correct answer is: Each peer knows its immediate predecessor and two immediate successors

Question **8**

Correct

Mark 1.00 out of 1.00

A reliable transport protocol must implement timer if bit errors are present.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **9**

Correct

Mark 1.00 out of 1.00

A transport layer protocol implements timer to address the loss problem. The timer cannot expire if there is no loss.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.

Question **10**

Correct

Mark 1.00 out of 1.00

A reliable transport protocol must implement both ACK and NAK if it wants to address bit errors as well as packet loss problems.

Select one:

- ☐ True
- ☒ False ✓

The correct answer is 'False'.