

Answer Submitted.

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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Blockchain and its Applications (course)

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Course outline

How does an NPTEL
online course work?

Week 0

● Practice: Week 0 :
Assignment 0

Week 0 : Assignment 0

Your last recorded submission was on 2021-12-19, 20:44 IST

- 1) What is the difference between HTTP and HTTPS? 1 point
- a. HTTPS uses unreliable mode of communication, whereas HTTP uses reliable mode of communication
 - b. HTTPS uses secured communication, whereas HTTP is unsecured
 - c. HTTP is used for web browsing, whereas HTTPS is used for email transfer
 - d. HTTP uses TCP at the transport layer, whereas HTTPS uses UDP

(assessment?name=47)

Week 1

Week 2

Weekly Feedback Form

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a.

b.

c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

2) Which of the following protocols support reliable data transfer over the Internet? 1 point

a. TCP

b. UDP

c. QUIC

d. IP

a.

b.

c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

c.

3)

Which of the following help us to uniquely determine two different connections over the Internet?

1 point

- a. IP address only
- b. Port numbers only
- c. IP address and Port numbers together
- d. MAC address only

- a.
- b.
- c.
- d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

4)

Which of the following is an example of a Peer-to-Peer application?

1 point

- a. Google Meet
- b. Email
- c. Web Browsing
- d. BitTorrent

- a.
- b.
- c.
- d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

- 5) In an operating system, how do an application interact with the kernel? 1 point

- a. Through message passing
- b. Through network sockets
- c. Through system calls
- d. Through hardware function calls

- a.
- b.
- c.
- d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

- 6) What is the asymptotic complexity of searching an element in a binary search tree? 1 point

- a. $O(n)$
- b. $O(\log n)$
- c. $O(1)$
- d. $O(n \log n)$

- a.
- b.
- c.
- d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

7)

Assume that the network address of a subnet is 201.126.0.0/16. What will be the broadcast address of this subnet?

- a. 201.126.0.0
- b. 201.126.0.255
- c. 201.126.255.0
- d. 201.126.255.255

- a.
- b.
- c.
- d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

8)

How many hosts can be supported in a subnet having IP address 201.100.100.0/24

- a. 256
- b. 254
- c. 128
- d. 126

- a.
- b.
- c.
- d.

Yes, the answer is correct.

Score: 1

1 point

1 point

Accepted Answers:

b.

- 9) Which of the following protocols is used to spread information in a peer-to-peer network?
- a. FTP
 - b. Gossip
 - c. DNS
 - d. SMTP

1 point

- a.
- b.
- c.
- d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.

- 10) Which of the following system calls is used to create a child process in a Unix-based operating system?
- a. socket()
 - b. open()
 - c. mmap()
 - d. fork()

1 point

- a.
- b.
- c.
- d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

Check Answers and Submit

Your score is: 10/10