

Answer Submitted.

X

<https://swayam.gov.in>https://swayam.gov.in/nc_details/NPTEL

snehasharma7620@gmail.com ▾

NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Blockchain and its Applications (course)Register for Certification
examhttps://examform.nptel.ac.in/2022_01/npTEL_exam_form/snehasharma

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?
- HTTPs uses unreliable mode of communication, whereas HTTP uses reliable mode of communication
 - HTTPs uses secured communication, whereas HTTP is unsecured
 - HTTP is used for web browsing, whereas HTTPs is used for email transfer
 - HTTP uses TCP at the transport layer, whereas HTTPs uses UDP

1 point

Course outline

How does an NPTEL
online course work?

Week 0

- Practice: Week 0 :
Assignment 0

[\(assessment?name=47\)](#)[Week 1](#)[Week 2](#)[Weekly Feedback Form](#)[Download Videos](#)☐ 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?

a. TCP

b. UDP

c. QUIC

d. IP

☒ a.☐ b.☒ c.☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

c.

1 point

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?

1 point

- a. FTP
- b. Gossip
- c. DNS
- d. SMTP

- ☐ 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?

1 point

- a. socket()
- b. open()
- c. mmap()
- d. fork()

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

Check Answers and Submit

Your score is: 10/10