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Quiz 01 Questions

Quiz due Oct 26, 2021 19:30 +06 Past due

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Multiple Choice

1.0/1.0 point (graded)

Which of the following layers can a router be involved with in a network? [Select all that apply]

☐ Transport Layer

☒ Network Layer

☐ Data Link Layer

☐ Physical Layer



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You have used 1 of 1 attempt

Multiple Choice

1.0/1.0 point (graded)

If you want to connect 11 computers using the mesh topology, how many cables are required?

☐ 10

☐ 11

☒ 55

☐ 56



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Multiple Choice

0.0/1.0 point (graded)

Which layer is responsible for connecting devices in a mesh topology?

☐ Physical

☐ Presentation

☒ Data Link

☐ Application



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Answers are displayed within the problem

Multiple Choice

1.0/1.0 point (graded)

Which layer is responsible for hop to hop delivery?

☒ Data Link

☐ Physical

☐ Transport

☐ Presentation



[Show answer](#)

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Multiple Choice

1.0/1.0 point (graded)

Which layer is responsible for multiplexing of applications?

☒ Transport

☐ Application

☐ Session

☐ Physical



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Multiple Choice

1.0/1.0 point (graded)

Which layer is responsible for process to process communication?

☒ Transport

☐ Presentation

☐ Session

☐ Data Link



[Show answer](#)

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Multiple Choice

1.0/1.0 point (graded)

What type of connection is being established between a television and an infrared remote control when we change the channels?

☐ Multi-point Connection

☒ Point-to-Point Connection

☐ Multi-drop Connection

☐ None of the Above



[Show answer](#)

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You have used 1 of 1 attempt

Multiple Choice

0.0/1.0 point (graded)

A local area network (LAN) is defined by _____.

☐ the geometric size of the network ✓

☒ the maximum number of hosts in the network

☐ the maximum number of hosts in the network and/or the geometric size of the network

☐ the topology of the network



[Show answer](#)

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You have used 1 of 1 attempt

Answers are displayed within the problem

Multiple Choice

0.0/1.0 point (graded)

When a data packet traverses from one hop to another, which of the following information is/are changed? [select all that apply]

☐ Source IP address

☐ Source MAC address ✓

☐ Source Port address

☐ Destination IP address

☐ Destination MAC address ✓

☐ Destination Port address

[Show answer](#)

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You have used 0 of 1 attempt

Answers are displayed within the problem

Multiple Choice

0.0/1.0 point (graded)

If you want to send your friend a data packet through the Internet, you must know:

☐ Your friend's IP address ✓

☐ Your friend's MAC address of the device ✓

☒ Your friend's Port number of the application ✓

☐ None of the above



[Show answer](#)

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You have used 1 of 1 attempt

i Answers are displayed within the problem

1. Match the following to one or more layers of the OSI model: [5 marks]

- Requests sender to send more segments when congestion is not there at the receiver end
- Logging the user out from an application when user remains inactive for a long time
- Provides Network virtual terminal service
- Accessing medium to send data
- Adds IP Address in the header

2. Why do we need a port address if a host already has an IP address? If there is jitter in a network then we can say that it will perform better. Yes or No. Justify your answer. [5 marks]

ANSWER THE SHORT QUESTIONS HERE

Status

You have completed this assignment. Your final grade will be available when the assessments of your response are complete.

✓ COMPLETE

▶ 1 Your Response due Oct 26, 2021 19:30 BDT (in 0 minutes)

NOT AVAILABLE

2 Staff Grade

Waiting for a Staff Grade

Check back later to see if a course staff member has assessed your response. You will receive your grade after the assessment is complete.

▼ Your Grade: Waiting for Assessments

Status

The grade for this problem is determined by your Staff Grade.

You have completed your steps in the assignment, but some assessments still need to be done on your response. When the assessments of your response are complete, you will see feedback from everyone who assessed your response, and you will receive your final grade.

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