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CCNA 1: Networking Basics

Chapter 3 Quiz

Question 1:
Which protocol data units are forwarded by a router?

- bits
- frames
- packets
- segments

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Quiz

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CCNA 1 - Chapter Menu

Review Index Quiz Glossary Back Next

14:20
15/02/2018

1. Router berkerja untuk tiap-tiap Segmen yang dibentuk pada transport layer tadi diubah lagi menjadi packet. Packet ini berisikan segment serta alamat penerima dan pengirim. Alamat yang digunakan tersebut sifatnya logis yang dikenal dengan Internet Protocol address atau IP address. Biasanya alamat IP address ini digunakan jika kita ingin mengirimkan data ke komputer yang berbeda jaringan atau tidak berada dalam jaringan LAN yang sama.

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Question 2:
What device performs the role of a hub in a token-ring network?

- MAU
- router
- switch
- repeater

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CCNA 1 - Chapter Menu

Review Index Quiz Glossary Back Next

14:20
15/02/2018

2. Medium Attachment Unit (MAU) adalah transceiver yang mengubah sinyal pada kabel Ethernet ke dan dari sinyal Antarmuka Unit Antar Unit (AUI) dengan menggunakan Teknologi Token Ring local area network (LAN). Token Ring Network protokol komunikasi untuk jaringan area lokal. Ini menggunakan kerangka tiga byte khusus yang disebut "token" yang berjalan mengelilingi "cincin" logis dari workstation atau server

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Question 3:
What is the topology if one central hub has four hubs connected to it, and each of those four hubs has four workstations attached?

- a bus
- a ring
- a star
- an extended star

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CCNA 1 - Chapter Menu

Review Index Quiz Glossary Back Next

14:21
15/02/2018

3. Topology network star merupakan Jenis topologi jaringan di mana jaringan yang didasarkan pada topologi yang berbentuk bintang memiliki satu atau beberapa repeater antara simpul tengah dan nodus perifer

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Question 4:
 Which of the following is a reason that hubs are considered Layer 1 devices?

- They deal only with bits.
- They encode data as bits.
- They control access to the shared media.
- They perform parity checks on the bit stream.

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CCNA 1 - Chapter Menu

Review Index Quiz Glossary Back Next

14:21 15/02/2018

4. Karena pada Physic layer Berfungsi untuk mendefinisikan media transmisi jaringan, metode pensinyalan, sinkronisasi bit, arsitektur jaringan, topologi jaringan dan pengabelan. Adapun perangkat-perangkat yang dapat dihubungkan dengan Physical layer adalah NIC (Network Interface Card) berikut dengan Kabel - kabelnya

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Question 5:
 Which of the following statements regarding switches is correct?

- Switches encapsulate segments into packets.
- Switches regulate traffic based on Layer 1 addressing.
- Switches designed for Token Ring networks are known as MAUs.
- Switches combine the connectivity of a hub with the traffic regulation of a bridge.

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CCNA 1 - Chapter Menu

Review Index Quiz Glossary Back Next

14:21 15/02/2018

5. Switch berfungsi Fungsi Switch adalah untuk melakukan bridging transparan sebagai penghubung segmentasi dari banyak jaringan dengan mem-forward berdasarkan alamat MAC. Switch juga sebagai penghubung beberapa alat untuk membentuk suatu Local Area Network (LAN).

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Question 6:
 Which networking device can make traffic forwarding decisions based on IP addressing?

- bridge
- hub
- router
- MAU

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CCNA 1 - Chapter Menu

Review Index Quiz Glossary Back Next

14:22
 15/02/2018

6. Karena Router merupakan perangkat keras jaringan komputer yang dapat digunakan untuk menghubungkan beberapa jaringan yang sama atau berbeda. **Router** adalah sebuah alat untuk mengirimkan paket data melalui jaringan atau internet untuk dapat menuju tujuannya, proses tersebut dinamakan routing.

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Chapter 3 Quiz

Question 7:
 A 'networking cloud' symbol can be used to represent all of the following EXCEPT:

- devices at all seven layers of the OSI model
- a single device such as a WAN switch or router
- another network, a collection of networks, or the entire Internet
- a large group of details that are not pertinent to a situation, or description, at a given time

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CCNA 1 - Chapter Menu

Review Index Quiz Glossary Back Next

14:22
 15/02/2018

7. Karena WAN adalah singkatan dari istilah teknologi informasi dalam bahasa Inggris: Wide Area Network merupakan jaringan komputer yang mencakup area

yang besar sebagai contoh yaitu jaringan komputer antar wilayah, kota atau bahkan negara

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Chapter 3 Quiz

Question 8:
Which function performed by a NIC is classified as a Layer 2 activity?

- encapsulating data into segments
- encoding bits as electrical signals
- using network addresses to direct data delivery
- controlling a host's access to the network medium

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CCNA 1 - Chapter Menu

Review Index Quiz Glossary Back Next

14:22
15/02/2018

8. NIC adalah sebuah kartu yang berfungsi sebagai jembatan dari komputer ke sebuah jaringan komputer. Tugas NIC adalah untuk mengubah aliran data paralel dalam bus komputer menjadi bentuk data serial sehingga dapat ditransmisikan di atas media jaringan. Fungsi NIC antara lain :
- a. Media pengirim data ke komputer lain di dalam jaringan
 - b. Mengontrol data flow antara komputer dan sistem kabel
 - c. Menerima data yang dikirim dari komputer lain lewat kabel dan menerjemahkannya ke dalam bit yang dimengerti oleh komputer.