TE Comp_INSEM Exam- 2021-22 Sem I_Computer Networks and Security_310244

ayanshrivastava2020@gmail.com   Switch account

Draft saved

Control information may tells to data link layer

○ Which nodes will communicate next

○ When communication between individual nodes begins and when it ends

○ Which errors occurred while the nodes communicated

○ which node fails due to collision occurs

Which of the following device is used to connect two systems, especially if the systems use different protocols?

○ Hub

◉ Gateway

○ Bridge

○ Repeater

Clear selection

Each Frame in an Ethernet packet starts with a ___.

○ Start Frame Indicator

● SFD (Start Frame Delimiter) with alternating 0 and 1 for 7 bytes

○ SFD (Start Frame Delimiter) with alternating 0 and 1 for 4 bytes

○ Start Frame Sequence

Clear selection

What is Sequence ID in Data transmission

○ ID's the end of the packet is mentioned

○ ID's where the information belongs in relation to the rest of the information

○ It Provides the complete destination address for the packet

○ The portion of the overall information carried by the packet

In framing, there is no need for defining the boundaries of frames.

○ character

○ A standard

● fixed-size

○ variable-size

Clear selection

Every Computer or an Internet device has a unique MAC address. State
TRUE/FALSE.

○ TRUE

○ FALSE

Clear selection

Which of the following tasks is not done by data link layer?

○ channel coding

○ framing

○ flow control

○ error control

Clear selection

Flow control mechanism is is mainly used for_____

○ Managing data transmission speed

○ managing data transmission format

○ Correcting Errors

○ Detecting Errors

Clear selection

Flow control is mainly function of _____ layer

○ Physical Layer

○ Presentation

○ Session

◉ Data link layer

Clear selection

A _____ set of rules that governs data communication

○ Servers

○ Standards

◉ Protocols

○ RFCs

Clear selection

Which of the following address belongs class A

☐ 129.12.12.248

☐ 130.12.12.248

☑ 121.12.12.248

☑ 100.12.12.248

BUS topology have following limitations

☑ A fault or break in the bus cable stops all transmission, even between devices on the same side of the problem.

☑ There is no central controller.

☑ Backbone cable can be laid along the most efficient path, and then connected to the nodes by drop lines of various lengths

☑ The damaged area reflects signals in the direction of origin, creating noise in both directions

In a stop-and-wait method of flow of control, the sender sends _____ at a time

◉ Only one frame

○ A Veriable number of frames

○ two frames

○ a set number of frames

Clear selection

Header of a frame generally contains _____

◉ synchronization bytes

○ media access control sublayer

○ network interface control sublayer

○ application access control sublayer

Clear selection

A error means that 2 or more bits in the data unit have changed.

◉ burst

◯ unibit

◯ channel

◯ noisy

Clear selection

What is the meaning of Carrier Sense in CSMA (Carrier Sense Multiple Access)?

◉ The abilitiy to check the shared transmission medium whether it is being used by any other node or not

◯ The ability to restrict other nodes to access the shared medium

◯ The ability to gain access to the shared medium

◯ None

Clear selection

The correction of errors is _____the detection.

◉ more difficult than

◯ easier

◯ similar

◯ None of the above

Clear selection

The meaning of Straight-through Cable is

○ Four wire pairs not twisted with each other

○ The cable Which Directly connects Computer to Computer

○ The cable which is not twisted

◉ Four wire pairs connect to the same pin on each end

Clear selection

What happens in an Ethernet network implementing CSMA-CD when a collision is detected?

◉ The station retransmits the lost frames after a delay

○ The station retransmits the all frames after a delay

○ The station retransmits the frame again immediately

○ The station aborts the whole transmission of data

Clear selection

The modes of a MAC to share a transmission medium are ___.

○ Round Robin

○ Reservation

○ Contention

◉ All the above

Clear selection

What is the main disadvantage of stop-and-wait flow control

○ drop packets

◉ inefficient

○ unreliable

○ Slow

Clear selection

What are the parts of An Ethernet Frame?

○ Header

○ Payload

○ FCS (Frame Check Sequence)

◉ All the above

Clear selection

Which of the following is not a types of fiber optic transmission modes

○ Step Index

○ Grade Index

○ Multimedia Index

◉ Single Mode

Clear selection

The technique of temporarily delaying outgoing acknowledgements so that they can be hooked onto the next outgoing data frame is called

○ fletcher's checksum

◉ piggybacking

○ cyclic redundancy check

○ parity check

Clear selection

protocol has neither flow control nor error control

○ stop and wait

◉ simplest

○ easiest

○ ARQ

Clear selection

Which of the following tasks is not done by data link layer?

○ flow control

○ error control

○ framing

◉ channel coding

Clear selection

Automatic repeat request error management mechanism is provided by _____

⦿ logical link control sublayer

◯ addresses

◯ frame identifier

◯ all of the mentioned

Clear selection

CRC stands for _____

◯ Code redundancy Correction

◯ cyclic repeat check

⦿ cyclic redundancy check

◯ code redundancy check

Clear selection

"Parity bits" are used for which of the following purposes?

◯ Encryption of data

◯ To transmit faster

◯ To identify the user

⦿ To detect errors

Clear selection

In personal communication what are the the Advantages Networking . Please Select the most suitable answers from the following

☐ Shared Peripheral Devices

☑ Videoconferencing

☐ several workers may need to use the same data at the same time

☑ Voice over Internet Protocol

Back   Next   Clear form

Never submit passwords through Google Forms.

This content is neither created nor endorsed by Google. Report Abuse - Terms of Service - Privacy Policy

Google Forms