| Dashboard / Courses / Autumn 2022-23 / BTech - CSE/ IT Semester 5 / CS301 2022 / General / Mid-Semester Exam_CS301 (Section 1 + Section 2) 06-09-2022 2.00 PM to 3.00 PM |
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| |
| Started on Tuesday, 6 September 2022, 2:00 PM |
| State Finished |
| Completed on Tuesday, 6 September 2022, 2:53 PM |
| Time taken 53 mins 8 secs |
| Question 1 |
| Complete |
| Marked out of 1.00 |
| Which of the following statement is correct for Slotted Aloha |
| a. divide time into discrete time intervals |
| ○ b. None of these |
| c. require global time synchronization |
| d. divide time into discrete time intervals and also requires global time synchronization |
| Question 2 Complete Marked out of 1.00 |
| Which of the following statements is not applicable for cable internet access? |
| b. Analog signal is converted to digital signal in DSLAM c. Cable modem connects home PC to Ethernet port d. It is a shared broadcast medium |
| |

| Question 3 |
|---|
| Complete |
| Marked out of 1.00 |
| |
| What is the role of logical link control sublayer in layer 2? |
| a. Connection Establishment |
| b. Sequencing |
| |
| ○ c. Error detection |
| ○ d. Acknowledgment |
| |
| |
| Question 4 |
| Complete Marked out of 1.00 |
| |
| In slotted ALOHA, the vulnerable time is the frame transmission time. |
| |
| a. half of a frame transmission time |
| b. twice of a frame transmission time |
| |
| © C. same as the a frame transmission time |
| |
| ○ d. None of these |
| |

| what is the primary purpose of a virtual local area networks? a. To create a virtual private network b. Demonstrating the proper layout for network c. Segmenting a network inside a switch or device d. Simulating a network eston 6 mulear unked out of 100 In Carrier Sense Multiple Access which node senses the channel, if idle it sends the data, otherwise it checks the medium after a random amount of time (not continuously) and transmits when found idle. a. 1-persistent b. O-persistent c. Non-persistent d. P-persistent auton 7 meptere unked out of 100 The time required to examine the packet's header and determine where to direct the packet is part of | uestion 5 | |
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| What is the primary purpose of a virtual local area network? a. To create a virtual private network b. Demonstrating the proper layout for network c. Segmenting a network inside a switch or device d. Simulating a network c. Segmenting a network c. Segmenting a network c. Segmenting a network c. Segmenting a network c. Non-persistent d. P-persistent d. P-persistent c. Non-persistent c. Non-persistent | mplete | |
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| b. O-persistent c. Non-persistent d. P-persistent Description 7 Description 1.00 The time required to examine the packet's header and determine where to direct the packet is part of | od. Simulating a netwo | rk |
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| | amount of time (not contine and an anount of time (not contine an anount of time and anount of time and anount of time and anount of time and anount of time anount of time and anount of time anount of | nuously) and transmits when found idle. |

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oc. Propagation delay

d. Processing delay

b. smartphones

oc. web servers

d. mail servers

Question 16 Complete

9/7/22, 8:41 AM

Question 14 Complete

Marked out of 1.00

b. prior to

d. after

Question 15 Complete

Marked out of 2.00

a. 20 ms

oc. 10 ms

d. 50 ms

b. None of these

C. simultaneous to

Marked out of 1.00

The length of theof a specific packet will depend on the number of earlier-arriving packets that are queued and waiting for transmission onto the link.

a. None of these

b. Propagation delay

c. Transmission delay

d. Queuing delay

1

b. 0

Od. 2

C. None of these

| uestion 20 | |
|------------------------------------|--|
| omplete | |
| Marked out of 2.00 | |
| frame) the receiver is e | N protocol with a sender's window size of '8'. Suppose at time 't' the next frame in the buffer (i.e. the next inorder expecting has a sequence No. 5. Assume that the medium does not reorder the messages. What is the possible set of the sender's window at time ' t '. Assume the sender has already received acknowledgment for all the previously |
| a. [4, 12] | |
| b. None of these | |
| o c. [5, 12] | |
| O d. [5, 13] | |
| uestion 21 | |
| omplete Narked out of 1.00 | |
| | |
| A three-layer switch ca | n be called as |
| a. Bridge | |
| b. Router | |
| o c. None of these | |
| od. Repeater | |
| Question 22 | |
| omplete | |
| Marked out of 1.00 | |
| What are not the respo | onsibilities of the Data link Layer? |
| | |

o. Error detection

Od. Framing

| 722, 0.41 AW | Mid definester Exam_Good (Geodicht 1 Geodicht 2)_00 00 2022_2.00 1 Mid 0.00 1 Mi. Altempt Teview |
|---|--|
| Question 23 | |
| Complete | |
| Marked out of 1.00 | |
| In reference to OSI model, TCP/IF | o model does not have |
| a. network layer | |
| b. transport layer | |
| o c. application layer | |
| od. session layer | |
| | |
| Question 24 | |
| Complete | |
| Marked out of 1.00 | |
| What will be the propagation tim cable. | ne when the distance between two points is 2400km? Assuming the propagation speed to be 4x10 ⁸ m/s in |
| a. _{1 ms} | |
| b. 6ms | |
| O c. 2 ms | |
| O d. 5ms | |

| 2, 8:41 AM | Mid-Semester Exam_CS301 (Section 1 + Section 2)_06-09-2022_2.00 PM to 3.00 PM: Attempt review |
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| uestion 25 | |
| omplete | |
| larked out of 1.00 | |
| | |
| Which is of the following statem users then, | nent is incorrect, if the transmission bandwidth of a shared broadcast media of 50 Mbps is shared by 500 |

| Question 26 | |
|--------------------|--|
| Complete | |
| Marked out of 1.00 | |

The functions of _____ layer in the OSI model are handled by the transport layer itself in TCP/IP. a. network layer and presentation b. application layer and session o c. presentation and session

 \bigcirc a. Using FDMA scheme, each of the users have an access to 100 Kbps of bandwidth

b. Using CDMA scheme, each of the users have an access to 100 Kbps of bandwidth

oc. Using TDMA scheme, each of the users have an access to 100 Kbps of bandwidth

 $^{\circ}$ d. Using CDMA scheme, each of the users have an access to 50 Mbps of bandwidth

9/7/22, 8:41 AM

Question **25** Complete

Marked out of 1.00

d. transport layer and session

| Question 27 Complete | | | | |
|-----------------------------|---|-------------------------|-----------|--|
| Marked out of 1.0 | 00 | | | |
| | | | | |
| The la | yer links network/user support layers by segm | nenting and rearranging | the data. | |
| a. Sessio | on Layer | | | |
| b. Netw | ork Layer | | | |
| O c. Transု | port Layer | | | |
| Od. Appli | ication Layer | | | |
| | | | | |
| Question 28 | | | | |
| Complete | | | | |
| Marked out of 1.0 | 00 | | | |
| Which is true | e for Circuit Switching? | | | |
| a. The b | pandwidth used is not fixed. | | | |
| ○ b. The b | pandwidth used is not fixed. | | | |
| ○ c. The b | andwidth used is not fixed. | | | |
| od. All tru | ue | | | |
| | | | | |

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|---|---|
| Question 29 | |
| Complete | |
| Marked out of 1.00 | |
| Transmission data rate | is decided by |
| a. data link layer | |
| ○ b. transport layer | |
| o. network layer | |
| d. physical layer | |
| Question 30 | |
| Complete | |
| Marked out of 1.00 | |
| a. O-persistentb. 1-persistentc. P-persistentd. Non-persistent | |
| Question 31 Complete | |
| Marked out of 1.00 | |
| Error detection and cor | rrection are offered by both |
| a. Network Layer a | nd Transport Layer |
| ○ b. Data link layer a | nd Network Layer |
| c. Physical Layer ar | nd Data link Layer |
| od. Data link layer a | nd Transport Layer |
| | |

| omplete | |
|--|---|
| arked out of 1.00 | |
| | |
| To avoid collision | s on wireless networks,was invented. |
| a. CSMA/CD | |
| b. CSMA/CA | |
| oc. Ethernet | |
| od. None of the | nese |
| | |
| uestion 33 | |
| omplete | |
| arked out of 1.00 | |
| | sers can use the same channel while transferring their packets. |
| b. Multiple u | sers can use the same channel while transferring their packets. |
| | |
| C. The deliver | sers can use the same channel while transferring their packets. |
| C. The deliver | sers can use the same channel while transferring their packets. ry of these packets becomes easy when complicated protocols are used. |
| C. The deliver | sers can use the same channel while transferring their packets. ry of these packets becomes easy when complicated protocols are used. |
| c. The deliver | sers can use the same channel while transferring their packets. ry of these packets becomes easy when complicated protocols are used. |
| d. Installation | sers can use the same channel while transferring their packets. ry of these packets becomes easy when complicated protocols are used. |
| d. Installation destion 34 complete arked out of 1.00 | sers can use the same channel while transferring their packets. ry of these packets becomes easy when complicated protocols are used. |
| d. Installation d. Installation uestion 34 complete arked out of 1.00 | sers can use the same channel while transferring their packets. The y of these packets becomes easy when complicated protocols are used. The costs of packet switching are expensive. The costs of packet switching are expensive. The costs of packet switching are expensive. |
| d. Installation uestion 34 omplete larked out of 1.00 The technique of | sers can use the same channel while transferring their packets. y of these packets becomes easy when complicated protocols are used. n costs of packet switching are expensive. temporarily delaying acknowledgements so that they can be hooked onto the next outgoing data frame is called undancy check |
| d. Installation duestion 34 omplete darked out of 1.00 The technique of a. Cyclic redu | sers can use the same channel while transferring their packets. y of these packets becomes easy when complicated protocols are used. n costs of packet switching are expensive. temporarily delaying acknowledgements so that they can be hooked onto the next outgoing data frame is called undancy check nese |

od. Parity check

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|------------------------------------|---|
| Question 35 | |
| Complete | |
| Marked out of 1.00 | |
| | |
| In each sta | ation is forced to send only at the beginning of the time slot. |
| III, each sta | ation is forced to send only at the beginning of the time slot. |
| | |
| O a. Pure Aloha | |
| b. Slotted Aloha | |
| | |
| C. CSMA/CD | |
| ○ d. CSMA/CA | |
| | |
| | |
| | |
| Announcements | |

Jump to...