



CS601
QUIZ#4
FINAL TERM
FALL 2024
BY
BUTTERCUP
FOR LMS HANDLING
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THE BRAINY SQUAD

Question # 1 of 10 (Start time: 11:46:06 PM, 06 January 2025)

Total Marks: 1

Primary purpose of adding redundant bits to transmitted data in error detection and correction is _____

Select the correct option



Reload Math Equations



to increase data transmission speed



to reduce network congestion



to enhance data encryption



to detect or correct errors

Click to Save Answer & Move to Next Question



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Question # 2 of 10 (Start time: 11:46:54 PM, 06 January 2025)

The message 110 sent by a source is received by a destination as 111. This is _____ type of error.

Select the correct option

<input type="radio"/>	Burst
<input type="radio"/>	Multi-Bit
<input type="radio"/>	Byte
<input checked="" type="radio"/>	Single-Bit

Question # 3 of 10 (**Start time: 11:47:32 PM, 06 January 2025**)

In digital communication, why do we use a checksum for error detection in a message?

Select the correct option

<input type="radio"/>	To facilitate faster data transmission
<input type="radio"/>	To encrypt the data
<input type="radio"/>	To ensure even or odd parity
<input checked="" type="radio"/>	To correct errors

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Question # 4 of 10 (**Start time: 11:48:48 PM, 06 January 2025**)

The term "single-bit error" refer to _____

Select the correct option

- | | |
|----------------------------------|---|
| <input checked="" type="radio"/> | changing 1 bit of a data unit |
| <input type="radio"/> | changing the shape of the signal |
| <input type="radio"/> | changing multiple bits in a data unit |
| <input type="radio"/> | interfering with the flow control process |

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Question # 5 of 10 (**Start time: 11:49:38 PM, 06 January 2025**)

Stop-and-Wait protocol is used for _____.

Select the correct option

<input checked="" type="radio"/>	Both flow and error control
<input type="radio"/>	Neither flow nor error control
<input type="radio"/>	Flow control only
<input type="radio"/>	Error control only



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Question # 6 of 10 (Start time: 11:50:18 PM, 06 January 2025)

In even parity check code, the value of syndrome is _____ if the number of 1s is even.

Select the correct option



0



1



4



2

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Question # 7 of 10 (Start time: 11:50:56 PM, 06 January 2025)

S-frames in High-Level Data Link Control (HDLC) are only used to transfer _____ information.

Select the correct option



Redundant



User data



Control



Original

Click to S



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Question # 8 of 10 (**Start time: 11:51:41 PM, 06 January 2025**)

In _____ type of error, two or more bits in the data unit will be changed.

Select the correct option

<input checked="" type="radio"/>	Burst
<input type="radio"/>	Zero
<input type="radio"/>	Mono
<input type="radio"/>	Single bit

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Question # 9 of 10 (Start time: 11:52:21 PM, 06 January 2025)

-----are used to exchange session management and control information between connected devices.

Select the correct option



N-frames



U-frames



I-frames



S-frames

[Click to Save Answer & Mo](#)

Question # 10 of 10 (**Start time: 11:52:59 PM, 06 January 2025**)

_____ is the process in which the sender adds redundant bits to the actual data bits.

Select the correct option

<input checked="" type="radio"/>	Coding
<input type="radio"/>	Encapsulation
<input type="radio"/>	Decapsulation
<input type="radio"/>	Framing



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