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CORRECT ANSWER SOLVED BY HADI
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(Final Term Past Paper)



MADE AND SOLVED BY TEAM HADI

WARNING: Team HADI is not responsible for any mistake or wrong answer. All students reading and using this document may check and confirm the answers at their own.



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Best of luck!

مہربانی کر کے میری امی جان کے لیے دعا کر دینا اُن کی ۲۰۲۱ میں وافات ہوگی تھی، شکریہ (ہادی)

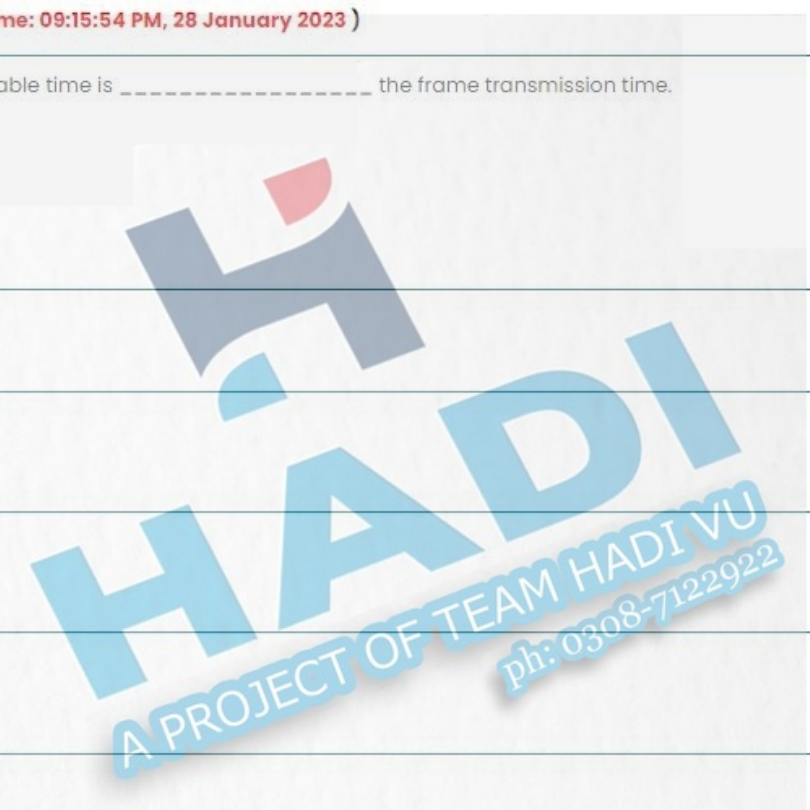
Question # 1 of 20 (Start time: 09:15:54 PM, 28 January 2023)

Total Marks:

In Pure ALOHA, the vulnerable time is _____ the frame transmission time.

Select the correct option

- Four times
- Three times
- Two times
- Same as



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Question # 9 of 20 (Start time: 10:21:04 PM, 27 January 2023)

Total Marks: 1

In Block coding scheme, number of code words is always _____ data words.

Select the correct option

- Greater than
- Same as
- Equal to
- Less than



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Question # 9 of 20 (Start time: 09:21:10 PM, 28 January 2023)

Total Marks: 1

In _____, each station is forced to send a frame only at beginning of time slot.

Select the correct option

- Fragmented ALOHA
- Pure ALOHA
- Slotted ALOHA
- None of the given



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Question # 6 of 20 (Start time: 09:18:54 PM, 28 January 2023)

Total Marks: 1

In _____, a station monitors the medium after it sends a frame to see if the transmission was successful.

Select the correct option

- None of the given
- CSMA/CD
- CSMA
- CSMA/CA



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Question # 17 of 20 (Start time: 09:26:25 PM, 28 January 2023)

Total Marks:

Checksum is an error-detection technique that can be applied to a message of _____ length.

Select the correct option

- Exactly 8
- Exactly 4
- Exactly 32
- Any



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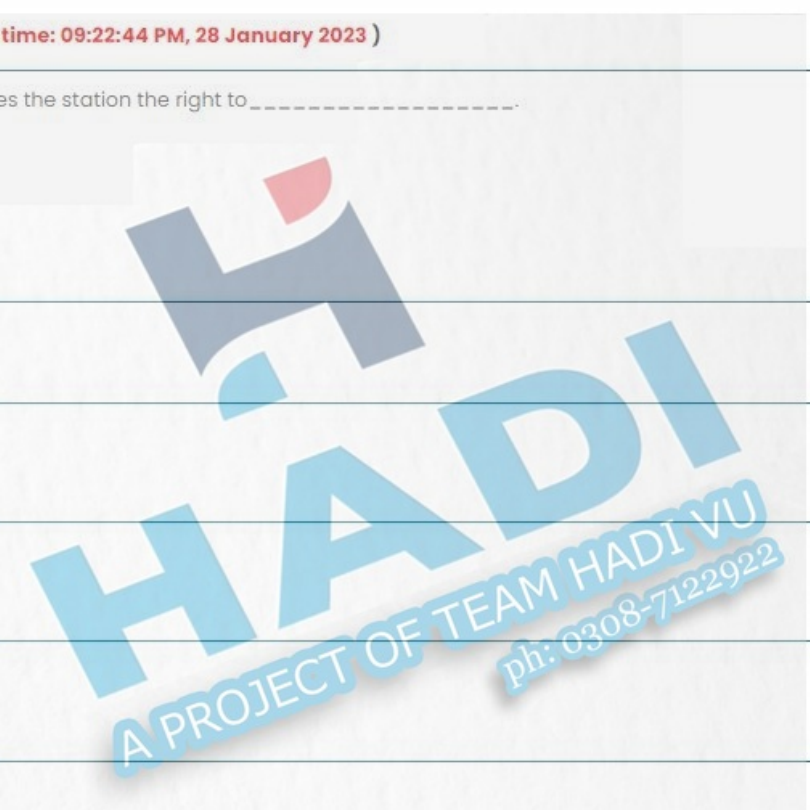
Question # 12 of 20 (Start time: 09:22:44 PM, 28 January 2023)

Total Marks: 1

Possession of TOKEN gives the station the right to.....

Select the correct option

- Modify the data
- Send the data
- Delete the data
- Receive the data



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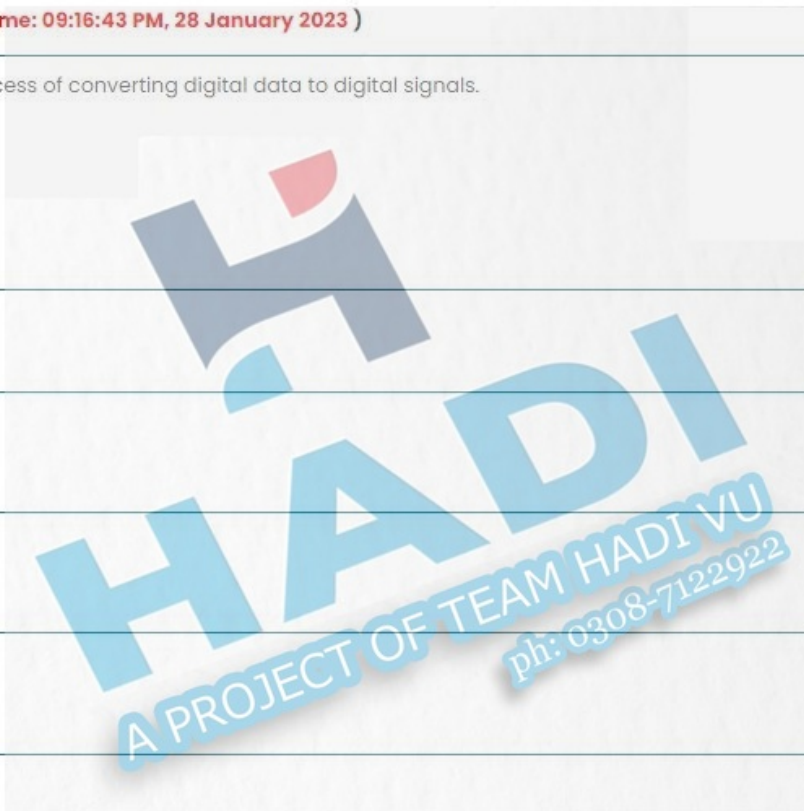
Question # 2 of 20 (Start time: 09:16:43 PM, 28 January 2023)

Total Marks: 1

_____ is the process of converting digital data to digital signals.

Select the correct option

- CSMA/CA
- CSMA/CD
- Line coding
- Segmentation



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Question # 11 of 20 (Start time: 10:22:42 PM, 27 January 2023)

Total Marks: 1

In _____ protocol, the sender sends one frame at a time and waits for an acknowledgment before sending the next one.

Select the correct option

- | | |
|----------------------------------|------------------|
| <input type="radio"/> | Go-Back-N |
| <input checked="" type="radio"/> | Stop-and-Wait |
| <input type="radio"/> | Selective-Repeat |
| <input type="radio"/> | Simple |

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Question # 16 of 20 (Start time: 09:25:40 PM, 28 January 2023)

Total Marks: 1

In which controlled-access method all data exchanges must be made through primary device even when the ultimate destination is a secondary device?

Select the correct option

- | | |
|----------------------------------|-----------------|
| <input type="radio"/> | Port Forwarding |
| <input type="radio"/> | Reservation |
| <input checked="" type="radio"/> | Polling |
| <input type="radio"/> | Token Passing |

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Question # 5 of 20 (Start time: 09:18:29 PM, 28 January 2023)

Total Marks: 1

To control and manage the transfer of data, a protocol called Point to Point Protocol (PPP) is used at the _____ layer.

Select the correct option

| | |
|----------------------------------|--------------|
| <input type="radio"/> | Network |
| <input type="radio"/> | Presentation |
| <input type="radio"/> | Physical |
| <input checked="" type="radio"/> | Data link |

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Question # 3 of 20 (Start time: 09:17:13 PM, 28 January 2023)

Total Marks: 1

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

Select the correct option

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

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Question # 20 of 20 (Start time: 10:34:21 PM, 27 January 2023)

Total Marks: 1

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

Select the correct option

| | |
|----------------------------------|-----------|
| <input type="radio"/> | User data |
| <input type="radio"/> | Redundant |
| <input type="radio"/> | Original |
| <input checked="" type="radio"/> | Control |

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Question # 10 of 20 (Start time: 10:21:49 PM, 27 January 2023)

Total Marks: 1

Payload field of the PPP frame is of variable size and it can carry maximum data up to -----

Select the correct option

- 100 bytes
- 1500 bytes
- 500 bytes
- 10 bytes



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Question # 13 of 20 (Start time: 10:24:33 PM, 27 January 2023)

Total Marks: 1

Go-Back-N protocol is one of the _____ layer protocols, which is used to control the flow of data during the transmission.

Select the correct option

- | | |
|----------------------------------|--------------|
| <input type="radio"/> | Presentation |
| <input type="radio"/> | Physical |
| <input type="radio"/> | Network |
| <input checked="" type="radio"/> | Data link |

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Question # 17 of 20 (Start time: 10:32:07 PM, 27 January 2023)

Total Marks: 1

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

Select the correct option

| | |
|----------------------------------|---|
| <input checked="" type="radio"/> | 0 |
| <input type="radio"/> | 2 |
| <input type="radio"/> | 4 |
| <input type="radio"/> | 1 |



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Question # 12 of 20 (Start time: 10:23:18 PM, 27 January 2023)

Total Marks: 1

High-Level Data Link Control (HDLC) defines _____ types of frames to deal with the transfer modes.

Select the correct option

- | | |
|----------------------------------|-------|
| <input type="radio"/> | Four |
| <input checked="" type="radio"/> | Two |
| <input type="radio"/> | Six |
| <input type="radio"/> | Three |



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Question # 3 of 20 (Start time: 10:14:20 PM, 27 January 2023)

Total Marks: 1

In order to resolve link layer address of the next node, the first generated ARP request is always in _____ mode.

Select the correct option

- Broadcast
- Multicast
- Unicast
- Multiplex



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Question # 8 of 20 (Start time: 09:20:15 PM, 28 January 2023)

Total Marks: 1

If we increase the data rate of a transmission over noisy channel, fixed noise duration will cause _____ number of bits being impacted by the noise.

Select the correct option

- Constant
- Less
- Same
- More

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Question # 8 of 20 (Start time: 10:19:53 PM, 27 January 2023)

Total Marks: 1

_____ is used in the Stop-and-Wait protocol to overcome the issue of duplication.

Select the correct option

- Frame sequencing
- Acknowledgement numbering
- Counter and Timer reset
- Frame sequencing and Acknowledgement numbering



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Question # 6 of 20 (Start time: 10:18:18 PM, 27 January 2023)

Total Marks: 1

Checksum is an error-detection technique that can be applied to a message of _____ length.

Select the correct option

- Exactly 32
- Any
- Exactly 8
- Exactly 4



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Question # 4 of 20 (Start time: 09:17:50 PM, 28 January 2023)

Total Marks: 1

Which one of the following is a correct controlled-access method?

Select the correct option

- | | |
|----------------------------------|------------------|
| <input type="radio"/> | Token Passing |
| <input type="radio"/> | Polling |
| <input checked="" type="radio"/> | All of the given |
| <input type="radio"/> | Reservation |



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Question # 18 of 20 (Start time: 10:32:50 PM, 27 January 2023)

Total Marks: 1

In _____, each station is allocated a time slot during which it can send data.

Select the correct option

- CDMA
- FDMA
- TDMA
- NDMA



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Question # 10 of 20 (Start time: 09:21:49 PM, 28 January 2023)

Total Marks: 1

In _____ protocol, the sender sends one frame at a time and waits for an acknowledgment before sending the next one.

Select the correct option

- Stop-and-Wait
- Go-Back-N
- Selective-Repeat
- Simple

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Question # 7 of 20 (Start time: 10:19:08 PM, 27 January 2023)

Total Marks: 1

CHAP is an Authentication Protocol, which uses _____ process to authenticate user information.

Select the correct option

| | |
|----------------------------------|-----------|
| <input type="radio"/> | Five-way |
| <input checked="" type="radio"/> | Three-way |
| <input type="radio"/> | Two-way |
| <input type="radio"/> | Four-way |

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Question # 19 of 20 (Start time: 10:33:45 PM, 27 January 2023)

Total Marks: 1

In which controlled-access method all data exchanges must be made through primary device even when the ultimate destination is a secondary device?

Select the correct option

- Port Forwarding
- Reservation
- Token Passing
- Polling

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Question # 5 of 20 (Start time: 10:17:39 PM, 27 January 2023)

Total Marks: 1

If we need to correct a single error in an 8-bit data unit, we need to consider _____ possible error locations.

Select the correct option

- 16
- 8
- 4
- 2



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Question # 7 of 20 (Start time: 09:19:43 PM, 28 January 2023)

Total Marks: 1

In order to find the location of two errors in an eight bit stream, we have to see _____ different combinations.

Select the correct option

- | | |
|----------------------------------|----|
| <input type="radio"/> | 16 |
| <input type="radio"/> | 4 |
| <input type="radio"/> | 8 |
| <input checked="" type="radio"/> | 28 |



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Question # 13 of 20 (Start time: 09:23:44 PM, 28 January 2023)

Total Marks: 1

Data link layer is divided into _____ sub layers.

Select the correct option

- Two
- Seven
- Three
- Five



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