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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

☐	Go-Back-N
☒	Stop-and-Wait
☐	Selective-Repeat
☐	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

☐	Port Forwarding
☐	Reservation
☒	Polling
☐	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

☐	Network
☐	Presentation
☐	Physical
☒	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

☐	Single bit.
☐	Zero
☐	Mono
☒	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

☐	User data
☐	Redundant
☐	Original
☒	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

☐	Presentation
☐	Physical
☐	Network
☒	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



0



2



4



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

☐	Four
☒	Two
☐	Six
☐	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

☐	Token Passing
☐	Polling
☒	All of the given
☐	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

☐	Five-way
☒	Three-way
☐	Two-way
☐	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

☐	16
☐	4
☐	8
☒	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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