

VIRTUAL UNIVERSITY OF PAKISTAN

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TEAM HADI(VU LAHORE)

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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!



Question # 1 of 30 (Start time: 07:58:37 PM, 01 January 2021)

Total Marks: 1

Protocol suite used in internet today is _____.

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Select the correct option

☐	UDP
☐	TCP
☒	TCP/IP
☐	HTTP

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Question # 28 of 30 (Start time: 08:50:14 PM, 01 January 2021)

Total Marks:

Signals travel through fiber optic cable are in the form of _____

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Select the correct option

☒	Light	
☐	Bits	
☐	Electromagnetic	
☐	Bytes	

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Question # 5 of 30 (Start time: 08:04:05 PM, 01 January 2021)

Total Marks: 1

If data rate is to be 1 Mbps then what will be the minimum bandwidth required for NRZ-I coding scheme?

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Select the correct option

☐	1Khz	
☐	200Khz	
☒	500Khz	
☐	0.5khz	

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Question # 6 of 30 (Start time: 08:30:49 PM, 01 January 2021)

Total Marks:

Some manufacturers provide a special port called the _____ port that allows a wireless keyboard to communicate with a PC.

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Select the correct option

☒	IrDA	
☐	Consol	
☐	Parallel	
☐	USB	

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Question # 29 of 30 (Start time: 08:26:39 PM, 01 January 2021)

Total Marks: 1

In _____ topology, each computer/station is attached to other through a central device.

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Select the correct option

☒	Star	✓
☐	Mesh	✓
☐	Bus	✓
☐	Ring	✓

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Question # 9 of 30 (Start time: 08:33:49 PM, 01 January 2021)

Total Marks:

When data is sent using _____, multiple data bits are transmitted over multiple channels at the same time.

Select the correct option

☐	Serial data transmission
☒	Parallel data transmission
☐	Hybrid data transmission
☐	Both parallel and serial transmission

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Question # 7 of 30 (Start time: 08:06:04 PM, 01 January 2021)

Total Marks

In _____ data moves faster and timing errors are less frequent because the transmitter and receiver time is synced.

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Select the correct option

☐

Isochronous

☒

Synchronous

☐

Asynchronous

☐

Metasochronous

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Question # 8 of 30 (Start time: 08:32:21 PM, 01 January 2021)

Total Marks: 10

_____ category of coaxial cable is used for thick Ethernet.

Select the correct option

- | | |
|----------------------------------|-------|
| ☒ | RG-58 |
| ☐ | RG-59 |
| ☐ | RG-11 |
| ☐ | RG-47 |

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Question # 6 of 30 (Start time: 08:05:03 PM, 01 January 2021)

Total Marks: 1

Minimum bandwidth required for Manchester line coding scheme is _____

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Select the correct option

☒	1Mhz	
☐	1Ghz	
☐	2Mhz	
☐	3Ghz	

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Question # 14 of 30 (Start time: 08:38:51 PM, 01 January 2021)

Total Marks: 1

When an antenna transmits radio waves, they are propagated in _____

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Select the correct option

☒	All directions	
☐	Left direction	
☐	Right direction	
☐	Only up and down direction	

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Question # 22 of 30 (Start time: 08:20:14 PM, 01 January 2021)

Total Marks: 1

In TCP / IP model, the Physical Layer exchanges data in the form of _____.

Select the correct option

- | | |
|----------------------------------|----------|
| ☐ | Packets |
| ☐ | Frames |
| ☒ | Bits |
| ☐ | Segments |

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Question # 26 of 30 (Start time: 08:23:53 PM, 01 January 2021)

Total Marks:

We can have combination of _____ possible codes with a 5-bit code.

Select the correct option

☐

4

☐

8

☐

16

☒

32

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Question # 30 of 30 (Start time: 08:27:05 PM, 01 January 2021)

Total Marks: 1

Manchester encoding scheme achieves the same level of synchronization as _____.

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Select the correct option

☒	RZ
☐	Differential Manchester
☐	NRZ-I
☐	NRZ

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Question # 24 of 30 (Start time: 08:46:01 PM, 01 January 2021)

Total Marks: 1

The conversion of analog sample of the signal into digital form is called _____ process.

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Select the correct option

☐	Quantizing	
☒	Sampling	
☐	Modulation	
☐	Quantizing and Sampling	

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Question # 20 of 30 (Start time: 08:42:56 PM, 01 January 2021)

Total Marks: 1

The bandwidth-delay product defines the number of bits that can fill the _____.

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Select the correct option

☒	Link
☐	Network
☐	Hub
☐	Switch

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Question # 25 of 30 (Start time: 08:22:52 PM, 01 January 2021)

Total Marks:

In _____ modulation, frequency and amplitude remain constant.

Select the correct option

☐	Phase
☒	Frequency
☐	Amplitude
☐	Quadrature

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Question # 9 of 30 (Start time: 08:08:07 PM, 01 January 2021)

Total Marks: 1

Bi-polar uses _____ voltage levels.

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Select the correct option

☐	One	
☐	Two	
☒	Three	
☐	Four	

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Question # 23 of 30 (Start time: 08:21:05 PM, 01 January 2021)

Total Marks: 1

Uni polar, Polar and Bipolar are types of _____ coding scheme.

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Select the correct option

☐	Line
☒	Differential Manchester
☐	NRZ-I
☐	Block

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Question # 19 of 30 (Start time: 08:17:52 PM, 01 January 2021)

Total Marks: 1

There are _____ basic categories of multiplexing.

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Select the correct option

☒	2
☐	3
☐	7
☐	5

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Question # 20 of 30 (Start time: 08:18:38 PM, 01 January 2021)

Total Marks: 1

_____ is the set of techniques that allows the simultaneous transmission of multiple signals across a single data link.

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Select the correct option

☐	Demodulating	//
☒	Multiplexing	//
☐	Compressing	
☐	Encryption	

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Question # 11 of 30 (Start time: 08:35:26 PM, 01 January 2021)

Total Marks:

_____ protocol suite is being used by the modern internet communication.

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Select the correct option

☐	OSI	
☒	TCP/IP	
☐	ARPANET	
☐	Telnet	

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Question # 11 of 30 (Start time: 08:11:06 PM, 01 January 2021)

Total Marks: 1

Router is a network device which operates on the _____ layer of the TCP/IP protocol suite.

Select the correct option

- | | |
|----------------------------------|--------------|
| ☐ | Application |
| ☐ | Transport |
| ☒ | Network |
| ☐ | Presentation |

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Question # 16 of 30 (Start time: 08:14:49 PM, 01 January 2021)

Total Marks: 1

To calculate the data rate for noiseless channel _____ formula is used.

Select the correct option

☐	reedy
☒	Shannon
☐	Nyquist
☐	Propagation

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Question # 27 of 30 (Start time: 08:24:43 PM, 01 January 2021)

Total Marks: 1

_____ protocol suite is being used by the modern internet communication.

Select the correct option

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☒	TCP/IP	
☐	ARPANET	
☐	Telnet	

Question # 21 of 30 (Start time: 08:44:13 PM, 01 January 2021)

Total Marks: 1

_____ is an Application layer protocol, that is used for accessing the internet.

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Select the correct option

☐	TCP
☒	HTTP
☐	MAC
☐	UDP

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Question # 10 of 30 (Start time: 08:34:43 PM, 01 January 2021)

Total Marks:

In _____ Scheme, all the signal levels are on one side of the time axis, either above or below.

Select the correct option

- | | |
|----------------------------------|--------------------|
| ☐ | Polar |
| ☐ | Bipolar |
| ☒ | Unipolar |
| ☐ | Multiplexed coding |

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Question # 15 of 30 (Start time: 08:14:19 PM, 01 January 2021)

Total Marks:

TCP/IP protocol suite consists of _____ layers.

Select the correct option

☐

3

☒

5

☐

6

☐

7

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Question # 28 of 30 (Start time: 08:25:04 PM, 01 January 2021)

Total Marks: 1

In _____ TDM, each input connection has an allotment in the output even if it is not sending data.

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Select the correct option

☐	Asynchronous	
☐	Statistical	
☒	Synchronous	
☐	Isochronous	

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Question # 26 of 30 (Start time: 08:48:10 PM, 01 January 2021)

Total Marks:

Manchester encoding scheme uses an inversion at the _____ of each bit.

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Select the correct option

☐	Start	
☐	End	
☒	Middle	
☐	None of the given	

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Question # 17 of 30 (Start time: 08:40:45 PM, 01 January 2021)

Total Marks: 1

The most common type of connector used by coaxial cable is _____.

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Select the correct option

☒	BNC
☐	RJ-45
☐	RJ-11
☐	RJ-57

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Question # 3 of 30 (Start time: 08:01:50 PM, 01 January 2021)

Total Ma

Which one of the following is not a bipolar encoding level?

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Select the correct option

- | | |
|----------------------------------|----------|
| ☐ | Negative |
| ☒ | One |
| ☐ | Zero |
| ☐ | Positive |

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Question # 8 of 30 (Start time: 08:07:10 PM, 01 January 2021)

Total Marks

In circuit switched networks we have low efficiency but minimal _____.

Select the correct option

☒	Delay	
☐	Speed	
☐	Throughput	
☐	Errors	

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Question # 1 of 30 (Start time: 07:58:37 PM, 01 January 2021)

Total Marks: 1

Protocol suite used in internet today is _____.

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Select the correct option

☐	UDP	
☐	TCP	
☒	TCP/IP	
☐	HTTP	

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