CS311:Grand Quiz

**Question # 3 of 30 ( Start time: 02:48:37 PM, 29 June 2021 )**

Which of the following is not the XML DOM Property?

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**Select the correct option**

- ○ x.nodeValue
- ○ x.nodeName
- ○ x.attributes
- ● x.nodeTag

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CS601:Grand Quiz

Question # 1 of 30 ( Start time: 02:54:22 PM, 29 June 2021 )

_____is sometimes called the bit rate.

Select the correct option

- signal rate
- modulation rate
- Data rate
- pulse rate

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CS601:Grand Quiz

Question # 2 of 30 ( Start time: 02:54:56 PM, 29 June 2021 )

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

Select the correct option

- reedy
- Nyquist
- Shannon
- Propagation

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CS601:Grand Quiz

**Question # 3 of 30 ( Start time: 02:55:28 PM, 29 June 2021 )**

Suppose a signal is amplified then the value of decibel will be _____.

**Select the correct option**

- (●) Positive
- ( ) 0
- ( ) Negative
- ( ) 1

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CS601:Grand Quiz

Question # 4 of 30 ( Start time: 02:55:55 PM, 29 June 2021 )

Paging System in data communication uses _____ waves.

Select the correct option

| | |
|---|---|
| ○ | Infrared waves |
| ○ | Micro waves |
| ○ | Ultraviolet waves |
| ● | Radio waves |

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**Question # 5 of 30 ( Start time: 02:56:28 PM, 29 June 2021 )**

In transmission impairments _____noise occurs from the random motion of electrons in a wire.

**Select the correct option**

- ○ Cross talk
- ○ Induced noise
- ○ Impulse noise
- ● Thermal noise

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CS601:Grand Quiz

**Question # 6 of 30 ( Start time: 02:56:55 PM, 29 June 2021 )**

LF (Low Frequency) band is used in _____ propagation.

**Select the correct option**

- (●) Ground
- ( ) Line of Sight
- ( ) Single Mode
- ( ) Sky

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**Question # 7 of 30 ( Start time: 02:57:23 PM, 29 June 2021 )**

Parabolic antenna is used for_____ communication.

**Select the correct option**

- (●) Microwave

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- ( ) Infrared waves
- ( ) Light wave
- ( ) Radio waves

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CS601:Grand Quiz

**Question # 8 of 30 ( Start time: 02:57:52 PM, 29 June 2021 )**

Voltage controlled oscillator(VCO) generates _____ .

**Select the correct option**

- ○ Periodic signals
- ○ Composite Signals
- ● Carrier Signals
- ○ Signal elements

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**Question # 9 of 30 ( Start time: 02:58:19 PM, 29 June 2021 )**

In _____, the instantaneous change in the carrier frequency is proportional to the derivative of the amplitude of the modulating signal.

**Select the correct option**

- ○ Frequency modulation
- ○ Amplitude modulation
- ● Phase modulation
- ○ Quadrature modulation

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**Question # 10 of 30 ( Start time: 02:58:46 PM, 29 June 2021 )**

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

**Select the correct option**

- (●) IrDA
- ( ) Consol
- ( ) USB
- ( ) Parallel

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**Question # 11 of 30 ( Start time: 02:59:14 PM, 29 June 2021 )**

_____ mode of serial transmission guarantees fixed rate data.

**Select the correct option**

- ○ Asynchronous
- ○ Synchronous
- ● Isochronous
- ○ Metasochronous

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Question # 12 of 30 ( Start time: 02:59:46 PM, 29 June 2021 )

In transmission impairments _____noise occurs from other sources like motors and appliances etc.

Select the correct option

- (●) Induced
- ( ) Thermal
- ( ) Impulse
- ( ) Cross talk

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**Question # 13 of 30 ( Start time: 03:00:11 PM, 29 June 2021 )**

In _____ encoding scheme, we use three levels: positive, zero, and negative.

**Select the correct option**

- ○ Nonpolar
- ○ Polar
- ● Bipolar
- ○ Multilevel

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**Question # 14 of 30 ( Start time: 03:00:36 PM, 29 June 2021 )**

In optical fiber cable, the ratio of the diameter of their core to the diameter of their cladding, both expressed in _____.

**Select the correct option**

- Meters
- Micrometers
- Millimeters
- Centimeters

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**Question # 15 of 30 ( Start time: 03:01:03 PM, 29 June 2021 )**

Taking off the header from the message is called _____.

**Select the correct option**

- ○ Stuffing
- ○ Layering
- ● Decapsulation
- ○ Encryption

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**Question # 16 of 30 ( Start time: 03:01:30 PM, 29 June 2021 )**

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

**Select the correct option**

- ○ 0.5khz
- ○ 200Khz
- ○ 1Khz
- ● 500Khz

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**Question # 17 of 30 ( Start time: 03:01:53 PM, 29 June 2021 )**

In _____ TDM, slots are dynamically allocated to the connected stations to improve bandwidth efficiency.

**Select the correct option**

- (●) Statistical
- ( ) Synchronous
- ( ) Standard
- ( ) Isochronous

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**Question # 18 of 30 ( Start time: 03:02:33 PM, 29 June 2021 )**

When two people are talking to each other in a room then transmission medium between them is:

**Select the correct option**

- (●) Air

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- ( ) No medium required
- ( ) Cable
- ( ) Wireless medium

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**Question # 19 of 30 ( Start time: 03:02:57 PM, 29 June 2021 )**

Most commonly used connector for twisted pair cable is _____.

**Select the correct option**

- ○ RJ-44
- ○ RJ-52
- ● RJ-45
- ○ RJ-11

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**Question # 20 of 30 ( Start time: 03:03:24 PM, 29 June 2021 )**

_____is Shannon capacity formula to determine highest theoretically data rate for a noisy channel.

**Select the correct option**

- ○ Capacity=Bandwidth*log2(SNR)
- ● Capacity=Bandwidth*log2(1+SNR)
- ○ Capacity=Bandwidth*log2(2+SNR)
- ○ Capacity=Bandwidth*(1+SNR)

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**Question # 21 of 30 ( Start time: 03:03:51 PM, 29 June 2021 )**

Packet Switching operates on _____ layer.

**Select the correct option**

- (●) Network layer
- ( ) Application layer
- ( ) Physical layer
- ( ) Data link layer

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**Question # 22 of 30 ( Start time: 03:04:20 PM, 29 June 2021 )**

_____ encoding scheme is somewhat a combination of the RZ and NRZ-I schemes.

**Select the correct option**

- ○ Manchester and differential Manchester
- ● Differential Manchester
- ○ Manchester
- ○ AMI

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Question # 23 of 30 ( Start time: 03:04:45 PM, 29 June 2021 )

TCP/IP was presented by_____ in a research paper.

Select the correct option

| | |
|---|---|
| ○ | Vint Cerf and David Lazer |
| ● | Vint Cerf and Bob Kahn |
| ○ | Bob Kahn and Kathleen Carley |
| ○ | Duncan Watts and Peter Bearman |

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Question # 24 of 30 ( Start time: 03:05:10 PM, 29 June 2021 )

In an analogue hierarchy to carry voice channels, a group can carry _____ voice channels.

Select the correct option

- 60
- 10
- 12
- 20

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**Question # 25 of 30 ( Start time: 03:05:34 PM, 29 June 2021 )**

In a bidirectional communication, each layer performs two _____ tasks in each direction.

**Select the correct option**

- (●) Opposite
- ( ) Similar
- ( ) Identical
- ( ) Complimentary

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**Question # 26 of 30 ( Start time: 03:06:05 PM, 29 June 2021 )**

Manchester encoding scheme achieves the same level of synchronization as_____.

**Select the correct option**

- NRZ
- RZ
- NRZ-I
- Differential Manchester

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**Question # 27 of 30 ( Start time: 03:06:34 PM, 29 June 2021 )**

Microwaves are _____.

**Select the correct option**

- (●) Unidirectional

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- ( ) Bi directional
- ( ) Multi directional
- ( ) Omni directional

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**Question # 28 of 30 ( Start time: 03:07:01 PM, 29 June 2021 )**

Circuit switch is not as efficient as Packet switch because of the_____.

**Select the correct option**

- ○ Limited Resource
- ● Resource Unavailability
- ○ Un optimized Resource
- ○ Dead Resource

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**Question # 29 of 30 ( Start time: 03:07:27 PM, 29 June 2021 )**

Modulation of analog signal is needed if the medium is _____ in nature.

**Select the correct option**

- ○ Low-pass
- ● Bandpass
- ○ High-pass
- ○ Bi-pass

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**Question # 30 of 30 ( Start time: 03:07:52 PM, 29 June 2021 )**

In context of bandwidth-delay product, the cross section of the pipe represents the _____.

**Select the correct option**

- (●) Bandwidth

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- ( ) Frequency
- ( ) Delay
- ( ) Throughput

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