



# Grand Quiz Spring 2021

Subject Code CS601 lecture 1 to 22

Solved By Riz Mughal



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<https://www.facebook.com/groups/923887914750307>



<https://www.youtube.com/channel/UCINsFwDiB62SValCcPDZbRQ/playlists>

## Dear Viewers:

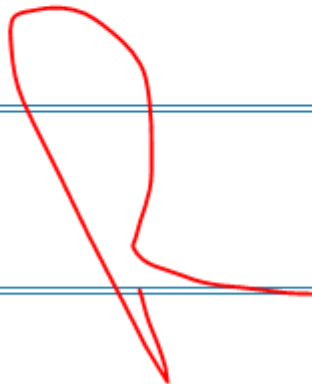
I'm providing 100% correct quiz solution. You can visit my YouTube channel and get more information about all other subjects' quizzes and final year project (CS619).

RIZ MUGHAL (SQA ENGINEER)

Question # 1 of 30 ( Start time: 09:31:45 AM, 29 June 2021 )

\_\_\_\_\_ is correct formula to determine the total number of ports needed for one system connected in a mesh network.

Select the correct option

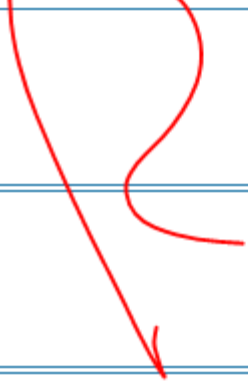
- |                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | $N(N+1)$     |
| <input type="radio"/>            | $N+1$        |
| <input type="radio"/>            | $N \times N$ |
| <input checked="" type="radio"/> | $N-1$        |
- 

Question # 2 of 30 ( Start time: 09:32:08 AM, 29 June 2021 )

In transmission impairments \_\_\_\_\_ noise occurs from the random motion of electrons in a wire.

Select the correct option

<input type="radio"/>	Induced noise
<input type="radio"/>	Impulse noise
<input checked="" type="radio"/>	Thermal noise
<input type="radio"/>	Cross talk

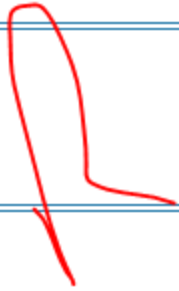


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Question # 3 of 30 ( Start time: 09:32:26 AM, 29 June 2021 )

Identify the correct formula to calculate Propagation time.

Select the correct option

- |                                  |   |
|----------------------------------|---|
| <input checked="" type="radio"/> | Propagation time = Distance / (Propagation Speed)   |
| <input type="radio"/>            | Propagation time = Bandwidth / (Propagation Speed)  |
| <input type="radio"/>            | Propagation time = Delay / (Propagation Speed)      |
| <input type="radio"/>            | Propagation time = throughput / (Propagation Speed) |
- 


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Question # 4 of 30 ( Start time: 09:32:42 AM, 29 June 2021 )

Parabolic antenna is used for \_\_\_\_\_ communication.

Select the correct option

<input checked="" type="radio"/>	Microwave
<input type="radio"/>	Light wave
<input type="radio"/>	Infrared waves
<input type="radio"/>	Radio waves




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Question # 5 of 30 ( Start time: 09:32:57 AM, 29 June 2021 )

At the Application layer, object/information is in the form of \_\_\_\_\_.

Select the correct option

<input checked="" type="radio"/>	Message
<input type="radio"/>	Frame
<input type="radio"/>	Segment
<input type="radio"/>	Packet




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Question # 6 of 30 ( Start time: 09:33:11 AM, 29 June 2021 )

During transmission, \_\_\_\_\_ is the effect of one wire on the other.


Select the correct option

- |                                  |               |
|----------------------------------|---------------|
| <input type="radio"/>            | Impulse noise |
| <input type="radio"/>            | Induced noise |
| <input checked="" type="radio"/> | Crosstalk     |
| <input type="radio"/>            | Thermal noise |
- 

Question # 7 of 30 ( Start time: 09:33:36 AM, 29 June 2021 )

If a digital transmission system is sending five bits in every half a second, the bit-rate of the system will be \_\_\_\_\_

Select the correct option

- |                                  |         |
|----------------------------------|---------|
| <input type="radio"/>            | 10 Hz   |
| <input type="radio"/>            | 0.2 bps |
| <input type="radio"/>            | 5 bps   |
| <input checked="" type="radio"/> | 10 bps  |
- 



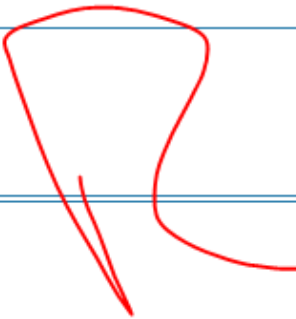
Question # 8 of 30 ( Start time: 09:34:10 AM, 29 June 2021 )

Total |

Two stations are connected via a secure link in which messages are encrypted from source to the destination. This encrypted message is called \_\_\_\_\_.

Select the correct option

- Message
- Plain text
- Protocol
- Cipher text

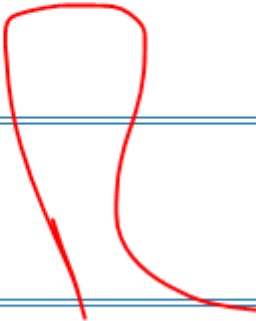


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Question # 9 of 30 ( Start time: 09:34:26 AM, 29 June 2021 )

QAM stands for \_\_\_\_\_ .

Select the correct option

- |                                  |                                 |
|----------------------------------|---------------------------------|
| <input checked="" type="radio"/> | Quadrature Amplitude Modulation |
| <input type="radio"/>            | Quadrature Amplitude Modifier   |
| <input type="radio"/>            | Quadrature Amplifier Modulation |
| <input type="radio"/>            | Quarter Altitude Modulator      |
- 


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Question # 10 of 30 ( Start time: 09:34:41 AM, 29 June 2021 )

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

Select the correct option

<input checked="" type="radio"/>	Star
<input type="radio"/>	Mesh
<input type="radio"/>	Bus
<input type="radio"/>	Ring



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Question # 11 of 30 ( Start time: 09:34:57 AM, 29 June 2021 )

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

Select the correct option

- |                                  |                    |
|----------------------------------|--------------------|
| <input type="radio"/>            | No medium required |
| <input checked="" type="radio"/> | Air                |
| <input type="radio"/>            | Wireless medium    |
| <input type="radio"/>            | Cable              |


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Question # 12 of 30 ( Start time: 09:35:12 AM, 29 June 2021 )

In baseband transmission, a digital signal is transmitted as \_\_\_\_\_.

Select the correct option

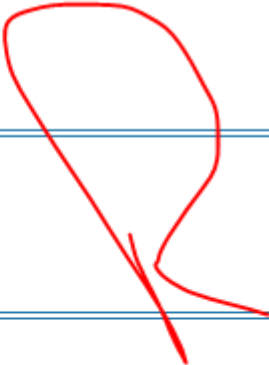
- |                                  |                    |
|----------------------------------|--------------------|
| <input checked="" type="radio"/> | Digital signal     |
| <input type="radio"/>            | Multiplexed signal |
| <input type="radio"/>            | Analog signal      |
| <input type="radio"/>            | Modulated signal   |
- 

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Question # 13 of 30 ( Start time: 09:35:28 AM, 29 June 2021 )

In optical fiber a glass or plastic core is surrounded by a \_\_\_\_\_.

Select the correct option


- |                                  |                        |
|----------------------------------|------------------------|
| <input type="radio"/>            | Insulator              |
| <input type="radio"/>            | Outer conductor shield |
| <input checked="" type="radio"/> | Cladding               |
| <input type="radio"/>            | Inner Conductor shield |
- 

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Question # 14 of 30 ( Start time: 09:35:43 AM, 29 June 2021 )

\_\_\_\_\_ signal completes a certain pattern in a specific amount of time.

Select the correct option

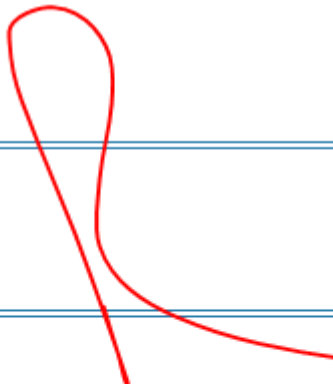
- |                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | Aperiodic    |
| <input checked="" type="radio"/> | Periodic     |
| <input type="radio"/>            | Wavelength   |
| <input type="radio"/>            | Non-periodic |
- 

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Question # 15 of 30 ( Start time: 09:35:58 AM, 29 June 2021 )

The addresses of transport layer are in the form of \_\_\_\_\_.

Select the correct option


- |                                  |                      |
|----------------------------------|----------------------|
| <input type="radio"/>            | Logical addresses    |
| <input checked="" type="radio"/> | Port numbers         |
| <input type="radio"/>            | Name                 |
| <input type="radio"/>            | Link-layer addresses |
- 



Question # 16 of 30 ( Start time: 09:36:16 AM, 29 June 2021 )

Which digital multiplexing technique is used to allow several connections to share the high bandwidth of a link?

Select the correct option


- |                                  |     |
|----------------------------------|-----|
| <input type="radio"/>            | FDM |
| <input type="radio"/>            | ADM |
| <input type="radio"/>            | WDM |
| <input checked="" type="radio"/> | TDM |
- 

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Question # 17 of 30 ( Start time: 09:36:33 AM, 29 June 2021 )

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

Select the correct option


- |                                  |               |
|----------------------------------|---------------|
| <input checked="" type="radio"/> | Opposite      |
| <input type="radio"/>            | Similar       |
| <input type="radio"/>            | Identical     |
| <input type="radio"/>            | Complimentary |
- 

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Question # 18 of 30 ( Start time: 09:36:48 AM, 29 June 2021 )

AMI is a popular \_\_\_\_\_ encoding method.

Select the correct option

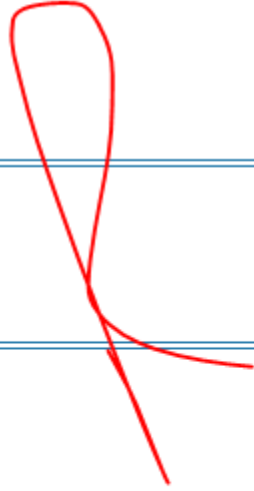
- |                                  |              |
|----------------------------------|--------------|
| <input type="radio"/>            | Polar        |
| <input checked="" type="radio"/> | Bi-polar     |
| <input type="radio"/>            | Uni-polar    |
| <input type="radio"/>            | Substitution |
- 

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Question # 19 of 30 ( Start time: 09:37:04 AM, 29 June 2021 )

In Pulse code modulation the term sampling can also be referred as \_\_\_\_\_.

Select the correct option

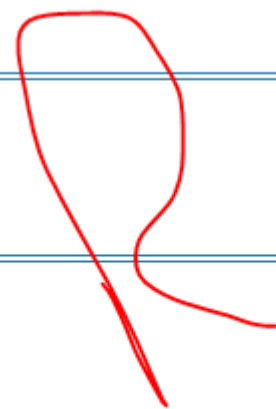
- |                                  |                            |
|----------------------------------|----------------------------|
| <input checked="" type="radio"/> | Pulse Amplitude Modulation |
| <input type="radio"/>            | Pulse Line Modulation      |
| <input type="radio"/>            | Pulse Frequency Modulation |
| <input type="radio"/>            | Pulse sample Modulation    |
- 

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Question # 20 of 30 ( Start time: 09:37:19 AM, 29 June 2021 )

Time taken by a periodic signal to complete one cycle is called \_\_\_\_\_.

Select the correct option

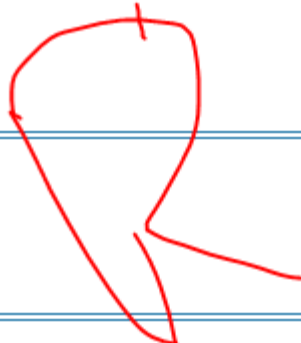
- |                                  |              |
|----------------------------------|--------------|
| <input checked="" type="radio"/> | Period       |
| <input type="radio"/>            | Routing      |
| <input type="radio"/>            | Wavelength   |
| <input type="radio"/>            | Multiplexing |
- 

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Question # 21 of 30 ( Start time: 09:37:34 AM, 29 June 2021 )

\_\_\_\_\_ does not happen until all the data is transferred and all of the resources are freed.

Select the correct option

- |                                  |                     |
|----------------------------------|---------------------|
| <input type="radio"/>            | Acknowledgement     |
| <input type="radio"/>            | Switching           |
| <input type="radio"/>            | Resource Allocation |
| <input checked="" type="radio"/> | Tear Down           |
- 


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Question # 22 of 30 ( Start time: 09:37:52 AM, 29 June 2021 )

\_\_\_\_\_ is the example of multipoint topology.

Select the correct option

<input type="radio"/>	Star
<input checked="" type="radio"/>	Bus
<input type="radio"/>	Mesh
<input type="radio"/>	Hub



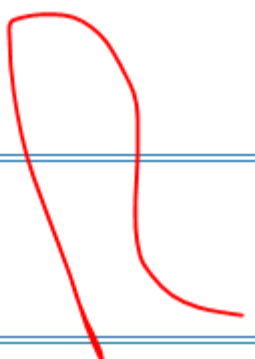
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Question # 23 of 30 ( Start time: 09:38:08 AM, 29 June 2021 )

A local telephone network use \_\_\_\_\_ network.

Select the correct option

<input type="radio"/>	Line switched
<input type="radio"/>	Bit switched
<input checked="" type="radio"/>	Circuit switched
<input type="radio"/>	Packet switched






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Question # 24 of 30 ( Start time: 09:38:26 AM, 29 June 2021 )

\_\_\_\_\_ is the process of converting binary data to a digital signal.

Select the correct option


- |                                  |             |
|----------------------------------|-------------|
| <input type="radio"/>            | ASK         |
| <input type="radio"/>            | QAM         |
| <input checked="" type="radio"/> | Line coding |
| <input type="radio"/>            | FSK         |
- 

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Question # 25 of 30 ( **Start time: 09:38:42 AM, 29 June 2021** )

\_\_\_\_\_ category of coaxial cable is used for thick Ethernet.

Select the correct option

- |                                  |       |
|----------------------------------|-------|
| <input checked="" type="radio"/> | RG-11 |
| <input type="radio"/>            | RG-58 |
| <input type="radio"/>            | RG-47 |
| <input type="radio"/>            | RG-59 |
- 

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Question # 26 of 30 ( Start time: 09:38:57 AM, 29 June 2021 )

\_\_\_\_\_ has less electromagnetic interference as compared to other guided medium.

Select the correct option

- |                                  |                         |
|----------------------------------|-------------------------|
| <input type="radio"/>            | Unshielded Twisted Pair |
| <input type="radio"/>            | Shielded Twisted Pair   |
| <input checked="" type="radio"/> | Fiber Optic             |
| <input type="radio"/>            | Coaxial                 |

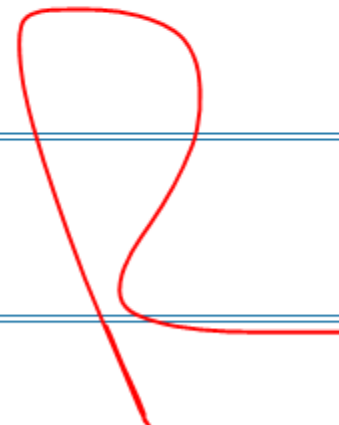
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Question # 27 of 30 ( Start time: 09:39:11 AM, 29 June 2021 )

\_\_\_\_\_ relatively measures the strength of two signals.

Select the correct option

<input checked="" type="radio"/>	Decibel
<input type="radio"/>	Signal rate
<input type="radio"/>	Pulse rate
<input type="radio"/>	Bit rate




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Question # 28 of 30 ( Start time: 09:39:26 AM, 29 June 2021 )

\_\_\_\_\_ layer is responsible for creating datagrams.

Select the correct option

- |                                  |           |
|----------------------------------|-----------|
| <input type="radio"/>            | Physical  |
| <input type="radio"/>            | Data Link |
| <input type="radio"/>            | Session   |
| <input checked="" type="radio"/> | Network   |
- 


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Question # 29 of 30 ( Start time: 09:40:16 AM, 29 June 2021 )

Two PCs and one printer are connected in a network within a room; it is an example of \_\_\_\_\_.

Select the correct option

<input type="radio"/>	MAN
<input checked="" type="radio"/>	LAN
<input type="radio"/>	WAN
<input type="radio"/>	SONET




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Question # 30 of 30 ( Start time: 09:40:58 AM, 29 June 2021 )

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

Select the correct option

- |                                  |            |
|----------------------------------|------------|
| <input type="radio"/>            | Polar      |
| <input type="radio"/>            | Nonpolar   |
| <input type="radio"/>            | Multilevel |
| <input checked="" type="radio"/> | Bipolar    |
- 



# Thank you for watching

Please share it with your friends 😊

RIZ MUGHAL (SQA ENGINEER)

