

Telecom Voice Gateways Interview Questions And Answers Guide.



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Telecom Voice Gateways Job Interview Preparation Guide.

Question # 1

What is buffering?

Answer:-

It is the process of temporarily storing the data so that the data is available for some activity (re-sequencing etc.) The result of this is delay in delivery of the packets and hence, variation in speed of packet delivery.

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Question # 2

Explain the type of signaling used between two exchanges?

Answer:-

In Band (Single Frequency, Multi-Frequency (MF), and Dual-Tone Multi-Frequency (DTMF)), Common Channel Signalling (CCS) and Signalling System 7 (SS7) is used Between the exchanges.

But CCS and SS7 are more cheaper than MF.

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Question # 3

Do you know What is the nominal voltage required in subscriber loop connected to local exchange?

Answer:-

+48 voltsb) -48 voltsc)

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Question # 4

Tell me What action is taken when the processor under execution is interrupted by a non-maskable interrupt?

Answer:-

non maskable interrupt r those 2 whom processor must have 2 respond instantly.....
4 maskable interrupts it should complete current instruction n then come over it..

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Question # 5

Explain What is the Purpose of PC(Program Counter) in a MicroProcessor?

Answer:-

Program Counter in a microprocessor (or CPU) is a pointer instruction of the program to tell where the CPU to look for the next instruction.

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Question # 6

Explain At which Frequency VOICE is sampled?

Answer:-

if you sample a signal in regular intervals of at least twice the highest channel frequency, the sample will contain enough information to accurately reconstruct the signal.

Human Audible Range: 20 â€" 20,000 Hz

Human Speech: 200 â€" 9000 Hz



Telephone channel: 300 Hz to 3,400 Hz
Nyquist theorem: 300 Hz to 4000 Hz
Sample size = $(2 * 4000) * 8 \text{ bits} = 64,000 \text{ bps} = 64 \text{ kbps}$

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Question # 7

Do you know What is the maximal decimal number that can be accommodated in a byte?

Answer:-

256

SINCE, 1 BYTE=8 BITS

THE LOGIC IS $2^8=256$ (2 TO THE POWER OF 8)

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Question # 8

Tell me What is the Max number of satellite hops allowed in voice communication?

Answer:-

Logically speaking, whatever be the number of hops, the fixed delay should not go more than 150ms (one-way).

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Question # 9

What is the time taken for 1 satellite hop in voice communication?

Answer:-

The satellite delay for single hop SCPC link is about 525-550ms. But for TDMA network, the delay varies between 550ms - 700ms.

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