Voice Gateways Job Interview Questions And Answers

Interview Questions Answers

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Voice Gateways Interview Questions And Answers Guide.

Question - 1:

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

Ans:

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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Question - 2:

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

Ans:

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

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Question - 3:

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

Ans:

256
SINCE, 1 BYTE=8 BITS
THE LOGIC IS $2^8=256$(2 TO THE POWER OF 8)

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Question - 4:

Explain At which Frequency VOICE is sampled?

Ans:

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 - 20,000 Hz
 Human Speech: 200 - 9000 Hz
 Telephone channel: 300 - 3,400 Hz
 Nyquist theorem: 300 - 4000 Hz
 Sample size = (2 * 4000) 8000, 8000 * 8 bits =
64,000 bps = 64 kbps

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Question - 5:

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

Ans:

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:

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

Ans:

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 - 7:

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

Ans:

+48 voltsb) -48 voltsc)

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Question - 8:

Explain the type of signaling used between two exchanges?

Ans:

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 - 9:

What is buffering?

Ans:

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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