

Electronics Interview Questions

1. What is Electronic?

The study and use of electrical devices that operate by controlling the flow of electrons or other electrically charged particles.

2. What is communication?

Communication means transferring a signal from the transmitter which passes through a medium then the output is obtained at the receiver. (or) communication says as transferring of message from one place to another place called communication.

3. Different types of communications? Explain.

Analog and digital communication.

As a technology, analog is the process of taking an audio or video signal (the human voice) and translating it into electronic pulses. Digital on the other hand is breaking the signal into a binary format where the audio or video data is represented by a series of "1"s and "0"s.

Digital signals are immune to noise, quality of transmission and reception is good, components used in digital communication can be produced with high precision and power consumption is also very less when compared with analog signals.

4. What is sampling?

The process of obtaining a set of samples from a continuous function of time $x(t)$ is referred to as sampling.

5. State sampling theorem.

It states that, while taking the samples of a continuous signal, it has to be taken care that the sampling rate is equal to or greater than twice the cut off frequency and the minimum sampling rate is known as the Nyquist rate.

6. What is cut-off frequency?

The frequency at which the response is -3dB with respect to the maximum response.

7. What is pass band?

Pass band is the range of frequencies or wavelengths that can pass through a filter without being attenuated.

8. What is stop band?

A stop band is a band of frequencies, between specified limits, in which a circuit, such as a filter or telephone circuit, does not let signals through, or the attenuation is above the required stop band attenuation level.

Basic Electronics Engineering Interview Question

Michael Rajnik



Basic Electronics Engineering Interview Question:

Basic Electronics & Communication Engineering: Electronics & Communication Short Questions and Answers

Yashwant Kumar Parte,2022-08-25 The book Basics of Electronics and Communication Engineering Short Question and Answers is written to cater the needs of students for review purpose at the Engineering or polytechnic level of Electronics and Communication Telecommunication Engineering streams The basic principles of the book are learning and motivation Easy explanation of practice problems and short answer type review questions are the principal features of this book [The Ultimate Instrumentation Engineer Interview Guide: 800+ Q&A](#) Chandresh Agrawal,Nandini Books,2026-03-09 eBook Details Title The Ultimate Instrumentation Engineer Interview Guide 800 Q TECHNOLOGY STUDY AIDS Professional Keywords Instrumentation Interview Questions Control Systems MCQ PLC DCS Interview Prep Engineering Job Assessment Sensor Technology Q it does not cover behavioral or HR style interview questions Read Only PDF Edition This edition is strictly Read Only to protect the integrity of the 800 question bank Platform Optimized High resolution viewing optimized for the Google Play Books app on all devices DRM Protected Printing and local file extraction are disabled to ensure the content remains a secure digital asset Synchronized Study Immediate access across your mobile tablet and desktop for anytime interview preparation Trademark Disclaimer This publication is an independent study resource Any reference to specific industrial hardware brands or professional engineering bodies is for educational and identification purposes only This book is not affiliated with endorsed by or sponsored by any third party engineering institutions or manufacturers *Making Embedded Systems* Elecia White,2024-03-01 Interested in developing embedded systems Since they don t tolerate inefficiency these systems require a disciplined approach to programming This easy to read guide helps you cultivate good development practices based on classic software design patterns and new patterns unique to embedded programming You ll learn how to build system architecture for processors not for operating systems and you ll discover techniques for dealing with hardware difficulties changing designs and manufacturing requirements Written by an expert who has created systems ranging from DNA scanners to children s toys this book is ideal for intermediate and experienced programmers no matter what platform you use This expanded second edition includes new chapters on IoT and networked sensors motors and movement debugging data handling strategies and more Optimize your system to reduce cost and increase performance Develop an architecture that makes your software robust in resource constrained environments Explore sensors displays motors and other I O devices Reduce RAM and power consumption code space and processor cycles Learn how to interpret schematics datasheets and power requirements Discover how to implement complex mathematics and machine learning on small processors Design effective embedded systems for IoT and networked sensors **U.S. Naval Training Bulletin** ,1950 **Naval Training Bulletin** ,1950 *Resources in Education* ,1981 [EE Systems Engineering Today](#) ,1973 **Proceedings of 1st Engineering Forum** Federal Polytechnic, Ado-Ekiti, EkieiState (Nigeria). School of Engineering. National Conference,2005

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