

# 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

**M Walker**



## **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 **Study of Engineering and Career** J Vinay Kumar,2018-04-20 There are many ways to apply knowledge to achieve a successful career Different people have used different ideologies get to the top What are the characteristics that will help you achieve success This book caters not only to students stepping into the engineering fields or the corporate world for the first time but also to those who are stuck in the wrong profession The book highlights the importance of knowing your field of education the importance of personality finding the right opportunity in different fields of work choosing the right first employer and other important decisions related to your career This book is an essential read for anyone who wants to enter the field of engineering The volume includes a good number of illustrations with detailed notes *Job interview questions and answers for employment on Offshore Oil & Gas Rigs* Petrogav International Oil & Gas Training Center,2020-07-01 The job interview is probably the most important step you will take in your job search journey Because it s always important to be prepared to respond effectively to the questions that employers typically ask at a job interview Petrogav International has prepared this eBooks that will help you to get a job in oil and gas industry Since these questions are so common hiring managers will expect you to be able to answer them smoothly and without hesitation This eBook contains 289 questions and answers for job interview and as a BONUS web addresses to 289 video movies for a better understanding of the technological process This course covers aspects like HSE Process Mechanical Electrical and Instrumentation Control that will enable you to apply for any position in the Oil and Gas Industry **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

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cent of the global offshore outsourcing market for software and back office services As per Nasscom estimates it is projected to grow to 51 per cent If this growth is sustained Nasscom has estimated that there will be a potential shortfall of above 2 10 000 IT and ITES professionals in India by the year 2012 and demand will out pace the supply Though the Indian IT industry is in a strong position to leverage this global software opportunity as India currently has one of the world s largest most qualified pools of scientific and engineering manpower this growing global demand is not only for numbers but also for appropriately skilled industry oriented professionals as companies are further scaling their operations and offering high value added services which involve higher levels of technology and more specialized higher end services Hence firms which want to maintain their competitive advantage have to carefully recruit and select the most suitable out of the large pool of available manpower Moreover according to a recent study by McKinsey Co although the potential supply of talent in low wage countries such as India is large and growing rapidly only a fraction of the job candidates could successfully work at a foreign company on account of their limited suitability i e though there are many candidates with the technical skills to fill a position they may not have the cultural skills to fit in with the organisation The same issue is also faced by large globally competitive domestic Indian firms who are competing for the same pool of talent and skills as their foreign counterparts to remain competitive and survive in global and domestic markets

The Publishers' Trade List Annual ,1978    **Bowker's Complete Video Directory 2001** ,2001    **Drum** ,2003    *Proceedings of the IRE.* ,1954    Introductory DC/AC Electronics Nigel P. Cook,2005 This time honored book now in its sixth edition improves on its charter to offer comprehensive and current coverage of DC AC electronics and Semiconductor Devices and Circuits along with all prerequisite mathematics in a learner friendly easily accessible format The presentation includes many historical vignettes and margin timelines mini math review sections circuit simulation icons and circuit analysis tables and much more For electrical engineers and computer technicians

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