

Analog Communication Viva Questions :-

Analog Communication is a data transmitting technique in which information signal is transmitted in analog nature. This always utilizes continuous signals to transmit data which may obtained from audio, image, video etc. An Analog signal is a variable signal continuous in both time and amplitude. To produce modulated signal inside the transmitter in Analog Communication, analog signal modulates the high carrier frequency. Then this modulated signal is transmitted with the help of antenna. All AM, FM audio transmission and T.V. transmission are the most preferable examples of analog communication. Analog communication is very important topic for the students preparing for GATE Exam(Electronics) Following questions will help to learn the basics concepts of analog communication.

1. Define Pam And Write Down Its Drawbacks?

Pulse Amplitude Modulation is the process by which the amplitude of the regularly spaced pulses varies according to the the amplitude of the modulating signal.

The drawbacks are:

- Since the amplitude of the pulses varies therefore the peak power of the modulating s/g is much greater.
- The bandwidth required for transmitting is greater since the amplitude varies.

2. How Can Be Aliasing Be Avoided?

Aliasing can be avoided if:

1. Sampling frequency must be greater than the frequency of the modulating signal.
2. The frequency should be band limited to maximum frequency of the signal(fm) Htz.
3. If prealias filter is used.



Analog Lab Viva Questions With Answers

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Analog Lab Viva Questions With Answers:

ELECTRONICS LAB MANUAL (VOLUME 2) NAVAS, K. A., 2018-10-01 This book is evolved from the experience of the author who taught all lab courses in his three decades of teaching in various universities in India The objective of this lab manual is to provide information to undergraduate students to practice experiments in electronics laboratories This book covers 118 experiments for linear analog integrated circuits lab communication engineering lab power electronics lab microwave lab and optical communication lab The experiments described in this book enable the students to learn Various analog integrated circuits and their functions Analog and digital communication techniques Power electronics circuits and their functions Microwave equipment and components Optical communication devices This book is intended for the B Tech students of Electronics and Communication Engineering Electrical and Electronics Engineering Biomedical Electronics Instrumentation and Control Computer Science and Applied Electronics It is designed not only for engineering students but can also be used by BSc MSc Physics and Diploma students KEY FEATURES Contains aim components and equipment required theory circuit diagram pin outs of active devices design tables graphs alternate circuits and troubleshooting techniques for each experiment Includes viva voce and examination questions with their answers Provides exposure on various devices TARGET AUDIENCE B Tech Electronics and Communication Engineering Electrical and Electronics Engineering Biomedical Electronics Instrumentation and Control Computer Science and Applied Electronics BSc MSc Physics Diploma Engineering

The Art and Science of Analog Circuit Design Jim Williams, 1998-08-24 In this companion text to Analog Circuit Design Art Science and Personalities seventeen contributors present more tutorial historical and editorial viewpoints on subjects related to analog circuit design By presenting divergent methods and views of people who have achieved some measure of success in their field the book encourages readers to develop their own approach to design In addition the essays and anecdotes give some constructive guidance in areas not usually covered in engineering courses such as marketing and career development Includes visualizing operation of analog circuits Describes troubleshooting for optimum circuit performance Demonstrates how to produce a saleable product

Control Systems and Mechatronics J. Srinivas, 2007 Covers the concepts of control systems In this book the concepts of time domain and frequency domain analysis of control systems are presented with common characteristics and tools

Physics Practical for Engineers with Viva-Voce Chandra Mohan Singh Negi, 2018-06-30 This is one of enumerable self help or how to books with an emphasis on Engineering Physics Practical The basic premise of the book is that there are certain simple experiments involving no more than rudimentary Physics laws and the very basic laws of Engineering Physics for undergraduate college engineering students But these practical are often not done or taken lightly for several reasons First people don't realize how easy they are to do Second and more fundamental they are not done because it does not occur to people to do them Finally and tragically no one in their elementary middle or high school educational experience has stressed the importance of doing them

and of course neither did they teach to do them This book is to reveal to you what the experiments are make them readily understandable and by means of a very easy to use illustrations The main thing you should expect from this book is the theories and practical related small information more precisely about experiments You will get a rudimentary understanding of the basic concepts behind the Engineering Physics experiment that governs the fundamental daily life questions that challenge us in life The book is divided into seven major categories and Fifteen chapters In this book the students will find solutions to experimental obstacles normally faced by undergraduate college engineering students students In summary you don t need any special background or ability to profit from this book

National Educational Technology Standards for Teachers International Society for Technology in Education,2002 Standards were developed to guide educational leaders in recognizing and addressing the essential conditions for effective use of technology to support P 12 education

Inspecting the Interview Carsten Junker,2024-09-03 Interviews are omnipresent in scholarship and public discourses They play a crucial role in various spheres from collecting research data to providing persons in the public eye a platform in print and online media Interviews do not only capture a dialogue they provide a framework in which dialogue gets staged As such a framework the interview protocols experiential knowledge and personal experience in certain ways according interlocutors different degrees of authority to speak The volume contributes state of the art research on what conclusions can be drawn from these and further reflections for a general assessment of the interview as method and form it offers fundamental conceptualizations of the interview as a structured and mediated site of knowledge production Theoreticians and practitioners assembled here conceptualize the interview from perspectives in different fields of the humanities and social sciences such as linguistics literary and cultural studies musicology psychology and philosophy

Advanced VLSI Technology Cherry Bhargava,Gaurav Mani Khanal,2022-09-01 The trend in design and manufacturing of very large scale integrated VLSI circuits is towards smaller devices on increasing wafer dimensions VLSI is the inter disciplinary science of the process of creating an integrated circuit IC by combining thousands of transistors into a single chip VLSI design can reduce the area of the circuit making it less expensive and requiring less power The book gives an understanding of the underlying principles of the subject It not only focuses on circuit design process obeying VLSI rules but also on technological aspects of prototyping and fabrication All the clocking processes interconnects and circuits of CMOS are explained in this book in an understandable format The book provides contents on VLSI Physical Design Automation Design of VLSI Devices and also its Impact on Physical Design The book is intended as a reference book for senior undergraduate first year post graduate students researchers as well as academicians in VLSI design electronics electrical engineering and materials science The basics and applications of VLSI design from STA PDA and VLSI Testing along with FPGA based Prototyping are covered in a comprehensive manner The latest technology used in VLSI design is discussed along with the available tools for FPGA prototyping as well as ASIC design Each unit contains technical questions with solutions at the end Technical topics

discussed in the book include Static Timing Analysis CMOS Layout and Design rules Physical Design Automation Testing of VLSI Circuits Software tools for Frontend and Backend design Analog Science Fiction & Fact ,2006 *Innovative Designs and Analyses for Small Population Clinical Trials* Jingjing Ye,Lei Nie,2024-11-19 This book discusses a multidisciplinary and multi stakeholder collaborative approach to small population clinical trials It provides and illustrates a systematic framework that depends upon a collaborative infrastructure between the patient community patient advocacy groups researchers and investigators pharmaceutical companies global regulatory agencies and customers The book also highlights the considerations of natural history and patient registry diagnostic criteria determination identification of clinically meaningful endpoints and global regulatory guidance The authors detail the nuances of clinical trial design as specific to small population disease drawing from real examples Human Factors Engineering Bibliographic Series ,1960

Analog Science Fact/science Fiction John Wood Campbell (Jr.),1951 **Cisco Unity Deployment and Solutions Guide** Todd Stone,Jeff Lindborg,Dustin Grant,Steve Olivier,2004 Annotation A comprehensive guide to understanding how to design install and manage a unified communications solution Gain a thorough understanding of the Cisco Unity systems with guidance from three of its chief architects Master the application of Unity features to solve legacy and convergence problems Select from comprehensive solutions for Unity to effectively manage your Cisco Unity installations As an integral part of the Cisco AVVID Architecture for Voice Video and Integrated Data environment Cisco Unity complements the full range of Cisco IP based voice solutions including Cisco CallManager Cisco IP Contact Center and Cisco Personal Assistant Cisco Unity is designed for large or small enterprises and offers enhanced security reliability and serviceability along with support for Microsoft Windows 2000 Advanced Server SP2 and Microsoft Exchange 2000 Enterprise Server Cisco Unity Deployment and Solutions Guide presents real world deployment examples and shows how to plan install and manage a Cisco unified communications solution Part I focuses on understanding Unity architecture and the different technologies it uses It also provides a comprehensive list of features and explains how they are used Part II focuses on deployment issues and explains the steps necessary to deploy a Unity messaging system in a small or large organization It includes a considerable number of real world examples and case studies for each installation type Part III answers a large number of solutions oriented questions asked by customers on a regular basis but where no documented information is presently available Finally part IV explains everything a Unity Administrator needs to know in order to manage the system and it s users Todd Stone is a Unity Customer Solutions Architect for Cisco Systems Jeff Lindborg is the architect and technical lead for the Applications Team for Cisco Unity Steve Olivier is the Unity expert on switch integration Author residences Seattle WA *Scientific and Technical Aerospace Reports* ,1985 **Computers Take Flight: A History of NASA's Pioneering Digital Fly-By-Wire Project** James E. Tomayko,2000 Cumulated Index Medicus ,1971 Analog Science Fiction/science Fact John Wood Campbell (Jr.),1966 Career Opportunities in Forensic Science Susan Echaore-McDavid,Richard A. McDavid,2010-04-21

Provides job profiles in the field of forensic science includes education and training resources certification program listings professional associations and more **Book Chat** William George Jordan,Adr Schade van Westrum,1891 *Open Systems Interconnection Handbook* Gary R. McClain,1991 OSI is basically a set of technical standards that provide a basis for data communications such that computers from a multitude of different manufacturers can share data and even applications with one another This reference for those who are or expect to be dealing with OSI issues on a daily basis explicates the real world technical and business issues surrounding the implementation of the OSI model Annotation copyrighted by Book News Inc Portland OR **NASA SP.** ,2000

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