## **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. Than 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:

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



# **Analog Communication Lab Manual And Viva Questions**

NAVAS, K. A.

## **Analog Communication Lab Manual And Viva Questions:**

**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 **Cumulated Index Medicus**, 1981 Popular Science, 2004-12 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better Forthcoming Books Rose Arny, 1994-02 Bibliography of Scientific and Industrial Reports ,1968-04 Canadian Books Analog Communications, Volumes 1, 2 and 3: Instructor's Guide Lab-Volt (Québec) Ltd,1987 in Print, 2000 Analog Communications Kasturi Vasudevan, 2020-08-14 This textbook covers the fundamental concepts of analog communications with a Q A approach It is a comprehensive compilation of numerical problems and solutions covering all the topics in analog communications Richly illustrated with figures this book covers the important topics of signals and systems random variables and random processes amplitude modulation frequency modulation pulse code modulation and noise in analog modulation It

Analog communication lab + LIC lab K. Chandrashekhar,2012 Analog Communications ,2019

has numerical questions and their solutions clearing the concepts of Fourier transform Hilbert transform modulation synchronization signal to noise ratio analysis and many more All the solutions have step by step approach for easy

understanding This book will be of great interest to the students of electronics and electrical communications engineering

Enjoying the Melody of Appearance: An Emotional Symphony within **Analog Communication Lab Manual And Viva Questions** 

In a global taken by screens and the ceaseless chatter of instant conversation, the melodic splendor and emotional symphony produced by the written term usually fade in to the background, eclipsed by the relentless sound and interruptions that permeate our lives. However, situated within the pages of **Analog Communication Lab Manual And Viva Questions** a stunning literary value overflowing with raw emotions, lies an immersive symphony waiting to be embraced. Constructed by a wonderful musician of language, this charming masterpiece conducts viewers on a mental trip, well unraveling the hidden songs and profound affect resonating within each carefully constructed phrase. Within the depths of the touching evaluation, we can explore the book is key harmonies, analyze their enthralling publishing design, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

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