

## Viva Questions for Analog Communication Lab.

1. Draw the block diagram of a communication system.
2. Distinguish between passband and baseband transmission. What is the drawback of baseband transmission?
3. Define modulation.
4. Distinguish between continuous wave modulation and pulse modulation.
5. What is the need for modulation?
6. Define simplex and duplex communication. Give examples for each.
7. Define AM, FM and PM.
8. Define modulation Index of AM & FM.
9. What is the B.W for AM and FM.
10. What are the components in an AM wave?
11. Draw the time domain, frequency domain and Phasor representation of an AM wave.
12. Define the 3 various degrees of modulation.
13. Define *rectifier distortion* and *diagonal clipping*.
14. What do you mean by single tone modulation?
15. Derive the instantaneous voltage expression of an AM wave.
16. Derive the power relationship in AM.
17. Derive the current relationship in AM.
18. In multi-tone modulation, how you calculate the net modulation index?
19. Derive the efficiency of DSBFC-AM.
20. Calculate the % of power saving in SSB when compared with conventional AM.
21. Calculate the % of power saving for DSBSC signal for the percentage of modulation of 50%.
22. Differentiate between *high level* and *low level* AM modulation.
23. Define *frequency deviation* and *deviation sensitivity*.
24. How can you generate FM using phase modulator?
25. In commercial broadcasting, what is the max freq deviation?

# Analog Communication Lab Viva Question And Answers

**K. Chandrashekhar**



## **Analog Communication Lab Viva Question And 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 **Ask Magazine** ,2008 *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 **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 **Cumulated Index Medicus** ,1971 **BTL Talks and Papers** Bell Telephone Laboratories, inc. Technical Information Libraries,1980 Electronic Design ,1970 **NewMedia** ,1999 *Guide to Architecture Schools* Association of Collegiate Schools of Architecture,2009 Bell Laboratories Talks and Papers Bell Telephone Laboratories. Libraries and Information Systems Center,1980 **Byte** ,1982 **Forthcoming Books** Rose Arny,1994-02 **Bibliography of Scientific and Industrial Reports** ,1968-04 F&S Index International Annual ,1999 **Canadian Books in Print** ,2000 **Analog communication lab + LIC lab** K. Chandrashekhar,2012 **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 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      **Analog Communications, Volumes 1, 2 and 3 : Instructor's Guide** Lab-Volt (Québec) Ltd,1987      **Analog Communications** ,2019      ANALOG COMMUNICATION TOMAR, GEETAM SINGH ,BAGWARI, ASHISH ,2016-02-25 This book carries a holistic approach on the analog communication with all the basic concepts pertaining to the subject described in it The text provides an incisive insight into the subject via simple elegant and explicit presentation Organised in ten chapters the book dexterously assimilates the various terms and techniques used in analog communication to enhance a broader understanding of the concepts and their applications Commencing with the basic introduction the book goes on to provide description on analog amplitude modulation single sideband modulation analog angle modulation pulse modulation digital transmission of analog signals and multiplexing Finally it discusses about noise random signal and processes information theory and coding and communication detectors and filters The background of each topic in the book is prepared sensibly by providing suitable illustrations numerical examples detailed explanation of each step given thereby making the understanding of complicated derivations easier This well structured book is specifically written for the undergraduate students of electronics and communication engineering and postgraduate students of electronics

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