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### Integrated Circuits Lab Viva Questions

LINEAR INTEGRATED CIRCUITS LAB VIVA Questions :-1. What are the advantages of integrated circuits? increased package density. Cost reduction . Increased system reliability. Improved functional performance. Increased operating speeds. Reduction in power consumption. 2. What are the popular IC packages available? Metal can package. Dualinlinepackage.

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Home/ lab viva questions/LICA part 2 Viva Questions on Oscillators, Active Filters, PLL 1.What are the requirements for producing sustained oscillations in feedback circuits? For

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sustained oscillations, · The total phase shift around the loop must be zero · the magnitude of the loop gain should be equal to unity 2.What are the different oscillators?

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Home/ lab viva questions/LICA part 1 Viva Questions on Op Amps: 1.What are the advantages of integrated circuits? · increased package density. · Cost reduction . · Increased system reliability. · Improved functional performance. · Increased operating speeds. · Reduction in power consumption.

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Electrical Circuits VIVA Questions and Answers :-1.What is Current? 2.Please define Ampere? 3.Could you measure current in parallel? 4.What is the difference between Voltages or Potential Difference? And what are they? 5.Could you measure Voltage in series? 6.How many Types of Circuit Loads are there in a Common Electrical Circuit?

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ANALOG ELECTRONICS VIVA & INTERVIEW QUESTIONS PROF. HITESH DHOLAKIYA ... Q-28 Define an Integrated circuit. Ans An integrated circuit(IC) is a miniature, low cost electronic circuit consisting of active and passive components fabricated together on a single crystal of silicon. The active

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Home/Labs/Viva Questions/FET FET 1.What are the comparisons and differences between a BJT and a JFET? BJT current controlled current device, Fet voltage controlled current device, in BJT current produced by holes and electrons, but in FET current produced due to any one only, 2.What is meant by a unipolar

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device? Why is a JFET known as a Unipolar Device?

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INTEGRATED CIRCUITS Questions and Answers :: 11. Explain why is the diffusion technique of formation of resistor most widely used? The diffused resistors can be processed while diffusing transistors, so the diffusion technique is the cheapest and, therefore, is most widely used. 12. Explain why is the plastic DIP IC package most widely used?

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Microcontroller and microprocessors lab viva questions with answers, MPMC Lab viva questions, Microprocessors and Interfacing Lab viva questions with answers, MPI lab viva questions. MPMC Lab 1. What is a Microprocessor? It is a CPU fabricated on a single chip, program-controlled device, which fetches the instructions from memory, decodes and executes the instructions.

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## **INTEGRATED CIRCUITS LAB MANUAL EEC-551**

This Laboratory Manual for Operational Amplifiers & Linear Integrated Circuits: Theory and Application, Third Edition is copyrighted under the terms of a Creative Commons license: This work is freely redistributable for non-commercial use, share-alike with attribution Published by James M. Fiore via dissidents

## **Operational Amplifiers & Linear Integrated Circuits ...**

Operational Amplifier op amp Viva Interview Questions and Answers. ... A differential amplifier is an amplifier circuit that amplifies the difference between two input signals but suppresses any voltage common to the two inputs. The output of the circuit is ideally proportional to the difference between the two signals.

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Home Electrical Lab Electrical Measurements Lab Viva Questions and Answers Electrical Measurements Lab Viva Questions and Answers Electrical Lab Edit ... The probe performs the very important function of connecting the test circuit to oscilloscope without altering, loading or otherwise disturbing the test circuit.

## **Electrical Measurements Lab Viva Questions and Answers ...**

A companion laboratory manual for AC electrical circuits is also available. Other manuals in this series include Semiconductor Devices (diodes, bipolar transistors and FETs), Operational Amplifiers & Linear Integrated Circuits, Computer Programming with Python™ and Multisim™, and Embedded Controllers Using C and Arduino.

## **Laboratory Manual for DC Electrical Circuits**

The basic gates that make up the digital system are called a logic gate. The circuit that can operate on many binary inputs to perform a particular logic function is called an electronic circuit.  
9) What are the basic Logic gates? There are three basic logic gates-AND gate. OR gate. NOT gate.

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