

**Shri USB College of Engineering & Management
Aburoad**

108 ELECTRICAL & ELECTRONICS ENGINEERING LAB

Experiment No:- 01

Objective:-

Assemble house wiring including earthing for 1-phase energy meter, MCB, ceiling fan, tube light, three pin socket.

S.No	Viva Questions (to be answered in the Lab file)
1.	What are the ratings of switches used in house-wiring? For simple switch = 5A and power plug = 15 A.
2.	What do you mean by phase? It is the terminal of the supply which have some potential.
3.	What is stair case wiring? In this, a device or lamp is operated by two switches from different positions.
4.	What is the neutral ? Neutral in electrical supply system provides the return path to the supply.
5.	What is the significance of current ratings of switches. It is the maximum current capacity that can be bear by the switch.
6.	What is purpose of energy meter? It records the energy or power consumed by the consumer.
7.	What do you mean by the one unit of energy meter? One unit = 1 KWH.(kilo watt hour)
8.	What is purpose of stair case wiring? Energy saving and utility service.
9.	What are the types of energy meter in market? (i) Induction type energy meter (ii) Electronic energy meter (iii) Smart card/prepaid energy meter.

Basic Electrical Workshop Viva Questions

CH Cherryholmes



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ELECTRONICS LAB MANUAL Volume I, FIFTH EDITION NAVAS, K. A., 2015-09-11 This lab manual is intended to support the students of undergraduate engineering in the related fields of electronics engineering for practicing laboratory experiments It will also be useful to the undergraduate students of electrical science branches of engineering and applied science This book begins with an introduction to the electronic components and equipment and the experiments for electronics workshop Further it covers experiments for basic electronics lab electronic circuits lab and digital electronics lab A separate chapter is devoted to the simulation of electronics experiments using PSpice Each experiment has aim components and equipment required theory circuit diagram tables graphs alternate circuits answered questions and troubleshooting techniques Answered viva voce questions and solved examination questions given at the end of each experiment will be very helpful for the students The purpose of the experiments described here is to acquaint the students with Analog and digital devices Design of circuits Instruments and procedures for electronic test and measurement

Manufacturing Practices Laboratory Manual For Engineering Courses M.S. Matharu, Sukhpal Singh, 2021-05-19 This manual covers in details the theory and practices of Carpentry and Pattern Making Shop Foundry Shop Smithy and Forging Shop Machine Shop Welding Shop Electrical and Electronic Shops Sheet Metal Shops Fitting Shop **Indian Factories & Labour Reports**, 2006 Vols 1 contain separately paged sections Journal summaries Acts and notifications and Reports

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