



GOVERNMENT OF TAMIL NADU

HIGHER SECONDARY - FIRST YEAR

VOCATIONAL EDUCATION

Basic Electrical Engineering

THEORY & PRACTICAL

A publication under Free Textbook Programme of Government of Tamil Nadu

Department of School Education

Untouchability is Inhuman and a Crime

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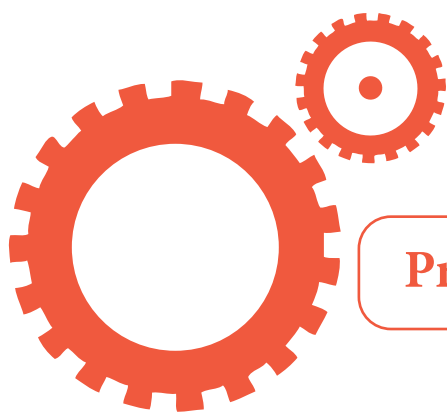
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Preface

Basic Electrical Engineering text book has been written primarily as a text book for the students and is designed to serve the introductory part of the electrical engineering in school education under vocational stream. The basic concepts of electrical topics are explained with neat diagrams for better understanding of the learners.

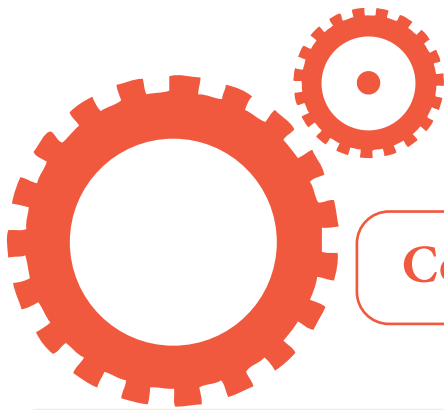
The Basic Electrical Engineering text book has been written with an inspiration and for the interaction of scholars in electrical fields in India and abroad. The resource materials and ideas for making this book are obtained from experts in the field of electrical engineering in and around the country to meet the curriculum to national standards. The design of this book is based on Bloom's Taxonomy which is a learning tool for all students. The theory and problems available in this text book motivates the students for better understanding. The contents of this book are mainly confined to the content of syllabus fulfilling the objectives.

In the current digitalized world all the things are interconnected and dependent with electrical sciences. In the forthcoming years, the demand of electrical source of energy will multiply due to the advancement of updated technology. Nowadays, affordable knowledge is essential in the field of electrical sciences for better understanding of the day to day innovative electrical appliances.

This book has been revamped by SCERT in collaboration with Tamil Nadu Skill Development Corporation in order to get immediate employment opportunities for the vocational students in the Industrial Sectors in future. The skill certificate for practical assessment is given to every student by concerned Sector Skill Councils (SSCs) which are accredited by National Skill Development Corporation (NSDC) and TNSDC.







Contents

Basic Electrical Engineering

Unit No.	Chapter Title	Page No.	Month
1	Introduction to Electricity	1-16	June
2	Electrical Safety and Hazards	17-29	July
3	Electro Magnetism	30-45	July
4	Batteries	46-59	August
5	AC Circuits	60-78	August
6	Transformer	79-92	September
7	Electric Heating Appliances	93-112	October
8	Motor Appliances	113-133	October
9	Electric mixer / Juicer/ Grinder and Water purifier	134-147	November
10	Electric vehicles	148-157	December
–	<i>Model Question Paper</i>	158-160	—
–	<i>Basic Electrical Engineering - Practical</i>	161-238	—



E-book



Assessment





Basic Electrical Engineering

THEORY