

*A TEXT BOOK OF*  
ELECTRICAL  
TECHNOLOGY  
PART II

B. L. THERAJA

# A TEXT BOOK OF ELECTRICAL TECHNOLOGY

Vol. II

ALTERNATING CURRENT ENGINEERING

IN

RATIONALIZED M.K.S.A. SYSTEM OF UNITS

*For the Examinations of B.Sc. (Engg.) ; Sec. A & B of A.M.I.E. (I) ;  
A.M.I.E.E. (London) ; City & Guilds (London) ; Grad. I.T.E. (I) ;  
A.M. Ac. S.I. ; Diploma & N.C.C.*

by

**B.L. THERAJA**

*Author of Fundamentals of Electrical Engineering ; Advanced  
Problems in Electrical Engineering ; Worked  
Examples in Electrical Technology ; A Text  
Book of Engineering Physics ;  
Applied Heat and Thermody-  
namics ; Classified Examples  
in Engineering Physics ; etc.*

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## FOREWORD

I have perused "A Text-Book of Electrical Technology" written by Shri B.L. Theraja mainly for the use of candidates who wish to take up Principles and Applications of Electricity and Elementary Electrical Engineering papers for the A.M.I.E. Examination and B. Sc. (Engg.) students. Shri Theraja has put in considerable labour in writing this book. He has divided it into a number of topics and in each chapter he has solved a very large number of selected problems after giving very clearly the related theory.

As far as I know, this is the only book of its kind so far published covering so exhaustively the entire field of electrical engineering. This book has now gone into the second edition which is much enlarged and almost re-written in many chapters and is now useful to the Degree students. The main features incorporated in this edition are the excellent production in colour of the various diagrams which enable the students to understand them without any difficulty, a larger number of fresh solved problems on each topic, the introduction of the rationalized M.K.S.A. system and a set of questions at the end of each chapter to test the grasp and understanding of the subject.

The arrangement, the direct method of tackling the problems and the general get-up of the book are excellent. The author deserves congratulations on writing this book which I am sure will be very popular, and useful to all the electrical engineering students.

*March 1, 1961.,*

D.L. DESHPANDE

*Director of Technical Education,  
Bihar State*

# CONTENTS

## CHAPTER XX

### A.C. Fundamentals

Generation of Alternating Voltages and Currents—Equations of the Alternating Voltages and Currents—Alternate Method for the Equations of Alternating Voltages and Currents—Waveform—Complex Waveform—Cycle—Time period—Frequency—Amplitude—Different Forms of E.M.F. Equation—Phase—Phase difference—Root-mean-square (R.M.S.) Value—Graphical Method—Integration Method—R.M.S. Value of a Complex Wave—Average Value—Form Factor—Peak Factor—Vector Representation of Alternating Quantities—Vector Diagrams Using R.M.S. Values—Vector Diagrams of Sine Waves of Same Frequency—Adding of Two Alternating Quantities—Addition and Subtraction of Vectors—Mathematical Representation of Vectors—Symbolic Notation—Significance of Operator  $j$ —Conjugate Complex Numbers—Trigonometric form of Vector Representation—Exponential Form—Polar Form—Addition and Subtraction of Vectors in Rectangular Form—Multiplication and Division of Vectors in Polar and Exponential Form—Powers and Roots of Vectors—Highlights—Do You Know ?

743

## CHAPTER XXI

### Series A.C. Circuits

Alternating Current through Resistance and Inductance—Power Factor—Active and Reactive Components of Current—Q-factor of a Coil—Power in a Iron-cored Choking Coil—A.C. Through Resistance and Capacitance—Resistance, Inductance and Capacitance in Series—Resonance in RLC Circuit—Graphic Representation of Resonance—Resonance Curves—Points to Remember—Q-factor of a Series Circuit—Circle Diagram of a Series Circuit—Properties of Constant—Reactance and Variable Resistance Circuit—Simple Transmission Line Circuit—Highlights—Do You Know ?

753

## CHAPTER XXII

### Parallel A.C. Circuits

Solving Parallel Circuits—Vector Method—Admittance Method—Vector Algebra—Series Parallel Circuit—Parallel Equivalent of a Series Circuit—Resonance in Parallel Circuits—Graphic Representation of Parallel Resonance—Points to Remember—Q-factor of a Parallel Circuit—Highlights—Do You Know ?

844

## CHAPTER XXIII

### Polyphase Circuits

Generation of Polyphase Voltages—Phase Sequence—Numbering of Phases—Inter-connection of Three Phases—Star or Wye

879

