



## Basics of Electrical Machines: Theory and Practicals

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<b>ISBN 13 :</b>	978-93-55387-12-7
<b>ISBN 10 :</b>	93-55387-12-1
<b>E-ISBN 13 :</b>	978-93-55387-12-7
<b>Edition :</b>	First
<b>Pages :</b>	540
<b>Type of book :</b>	Paperback
<b>Year :</b>	2026
<b>Language :</b>	English
<b>Publisher :</b>	Khanna Publishing House
<b>M.R.P :</b>	Rs 798.00
<b>Categories :</b>	<a href="#">AICTE Prescribed Textbooks,</a> <a href="#">English Books</a>
<b>Condition Type :</b>	New
<b>Country Origin :</b>	India

## Product Description

**Basics of Electrical Machines: Theory and Practicals** The Basics of Electrical Machines: Theory and Practical” is a comprehensive guide that provides a solid foundation in the principles and practical applications of electric machines. It covers magnetic circuits, electro-mechanical energy conversion, DC motors and generators, and transformers. By exploring these topics, readers gain insights into the fundamental principles of electric machines and their role in various industries. The book strikes a balance between theory and practice, offering clear explanations, examples, case studies, and problem-solving exercises. It aims to equip readers with a comprehensive understanding of electric machines and bridge the gap between theoretical concepts and their practical applications.

Salient Features:

- Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR Code for E-resources, QR Code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.
- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a ‘Know More’ section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.



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