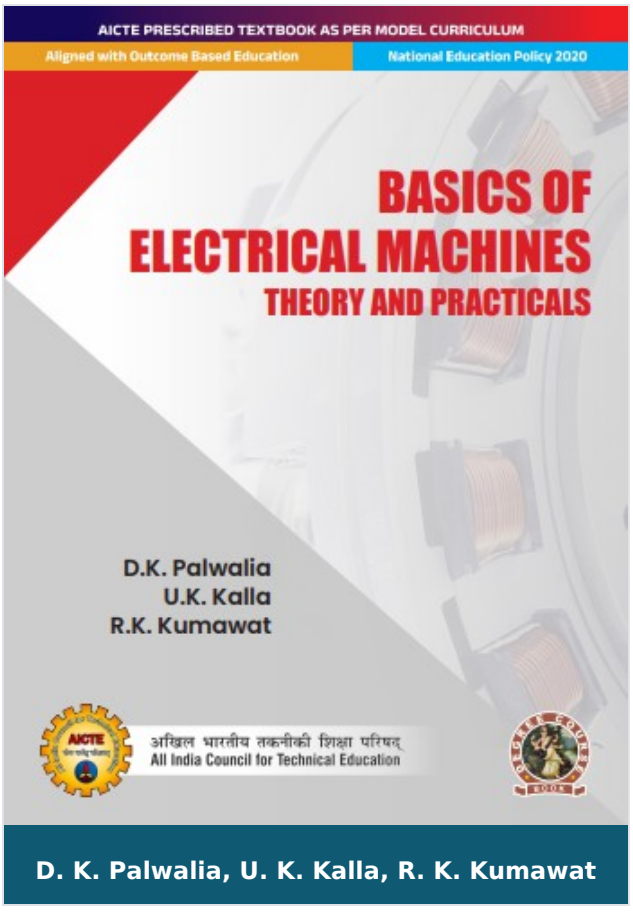


Basics of Electrical Machines: Theory and Practicals

Author :	D. K. Palwalia, U. K. Kalla, R. K. Kumawat
ISBN 13 :	978-93-55387-12-7
ISBN 10 :	9355387121
E-ISBN 13 :	978-93-55387-12-7
Edition :	First
Pages :	540
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 798.00
Categories :	AICTE Prescribed Textbooks, English Books, Book Store
Condition Type :	New
Country Origin :	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.

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

- 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.

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- Magnetic Field and Magnetic Circuits
- Electromagnetic Force and Torque
- DC Machines
- DC Machine – Motoring and Generation
- Transformers
- Appendices
- References for Further Learning
- Co and Po Attainment Table
- Index

Author

D. K. Palwalia

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Prof. D. K. Palwalia Professor Department of Electrical Engineering, Rajasthan Technical University, Kota Dr.

U. K. Kalla

Dr. U. K. Kalla Associate Professor Department of Electrical Engineering, MANIT, Bhopal Dr.

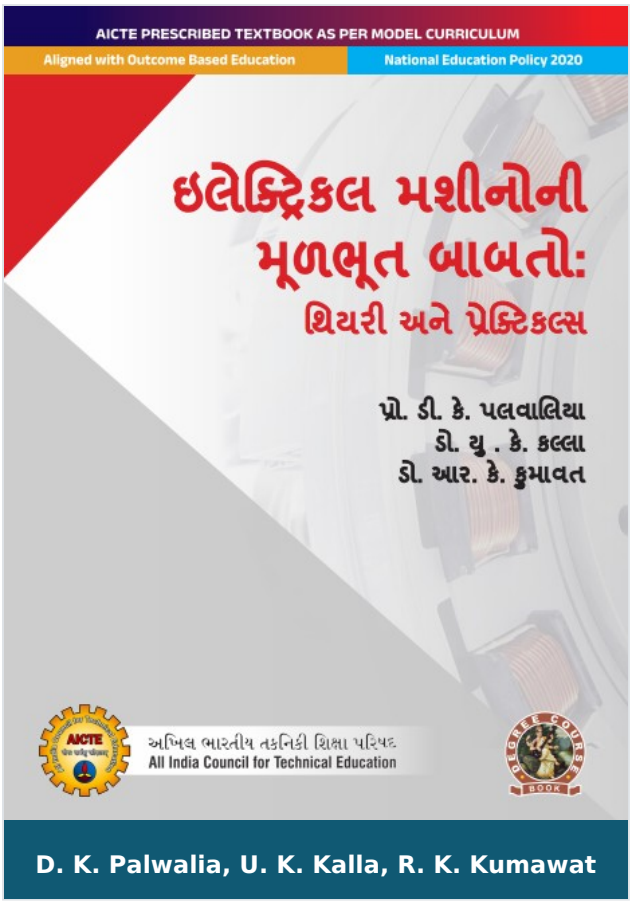
R. K. Kumawat

Dr. R. K. Kumawat Assistant Professor Department of Electrical Engineering, I K Gujral Punjab Technical University Amritsar

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320



Basics of Electrical Machines: Theory and Practicals

Author :	D. K. Palwalia, U. K. Kalla, R. K. Kumawat
ISBN 13 :	978-93-55384-61-4
ISBN 10 :	9355384610
E-ISBN 13 :	978-93-55384-61-4
Edition :	First
Pages :	488
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 725.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Basics of Electrical Machines: Theory and Practicals

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Author

D. K. Palwalia

Prof. D. K. Palwalia Professor Department of Electrical Engineering, Rajasthan Technical University, Kota Dr.

U. K. Kalla

Dr. U. K. Kalla Associate Professor Department of Electrical Engineering, MANIT, Bhopal Dr.

R. K. Kumawat

Dr. R. K. Kumawat Assistant Professor Department of Electrical Engineering, I K Gujral Punjab Technical University Amritsar

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320