

---

# Machines By Jb Gupta Theory And Performance Of Electrical

---

Electronic Devices And Circuits  
Electrical Machines-I  
Basic Electrical Engineering  
Digital Electronics  
Switchgear and Protection  
The Theory of Machines  
Electrical Machine Dynamics  
The Theory of Machines  
Fundamentals of Electrical Drives  
Objective Electrical Technology  
Principles of Electric Machines and Power Electronics  
The General Theory of Alternating Current Machines  
The Theory of Machines  
The Theory of Machines  
Theory of Machines (A Textbook for Student B E/B. Tech)  
The Theory of Machines  
Languages and Machines  
Design and Testing of Electrical Machines  
The Theory of Machines  
Electrical and Electronic Principles and Technology  
Electrical Machines  
Theory of Machines  
Electrical Machines  
Principles of Electrical Machines  
Power System Analysis  
SPECIAL ELECTRICAL MACHINES  
An Integrated Course In Electrical Engineering (3rd Edition)  
Theory & Performance Of Electrical Machines  
Basic Electrical Engineering  
Electric Machines  
Carbon Black  
A Textbook Of Electrical Machines  
Electrical Machines-I (Mdu)  
Theory of Machines  
Fundamentals of Electrical Engineering and Electronics (LPSPE)  
Theory and Performance of Electrical Machines  
Electric Machinery Fundamentals  
Theory and Performance of Electrical Machines

Basic Electrical and Electronics Engineering:  
Theory Of Machines

*Machines By Jb Gupta Theory And  
Performance Of Electrical*

Downloaded from [archive.imba.com](http://archive.imba.com) by  
guest

---

## JAYLEEN WERNER

---

**Electronic Devices And Circuits** S. Chand Publishing  
Encouraged by the response to the first edition and to keep pace with recent developments, *Fundamentals of Electrical Drives, Second Edition* incorporates greater details on semi-conductor controlled drives, includes coverage of permanent magnet AC motor drives and switched reluctance motor drives, and highlights new trends in drive technology. Contents were chosen to satisfy the changing needs of the industry and provide the appropriate coverage of modern and conventional drives. With the large number of examples, problems, and solutions provided, *Fundamentals of Electrical Drives, Second Edition* will continue to be a useful reference for practicing engineers and for those preparing for Engineering Service Examinations.

**Electrical Machines-I** New York ; Toronto : J. Wiley  
This is a single-volume book on 'electrical machines' that teaches the subject precisely and yet with amazing clarity. The extent has been kept in control so that the entire subject can be covered by students within the limited time of the semesters. Thus, they will not have to consult multiple books anymore. The discussions of concepts include the modern trends used in industry, like efficient transformers, efficient induction motors, DC drives, and the problems related to them.

*Basic Electrical Engineering* PHI Learning Pvt. Ltd.  
This book covers the complete syllabi prescribed for undergraduate courses in electrical, electronics, mechanical and instrumentation engineering offered by various Indian universities. The objective of this text is to provide thorough knowledge in the emerging field of special electrical machines. It discusses the stepper motor, switched reluctance motor, permanent magnet dc and ac motors, brushless dc motors, single phase special electric motors, servomotors, linear electric machines and permanent magnet axial flux machines. Key Features • Chapter on permanent magnet axial flux machines (not available in other Indian authors' books) • Numerous worked-

out examples • Based on classroom tested materials • Simplified mathematical analysis Besides undergraduate students, the book will also be useful to the postgraduate students specialising in drives and control, power electronics, control systems and mechatronics.

**Digital Electronics** Cambridge University Press  
This practical resource introduces electrical and electronic principles and technology covering theory through detailed examples, enabling students to develop a sound understanding of the knowledge required by technicians in fields such as electrical engineering, electronics and telecommunications. No previous background in engineering is assumed, making this an ideal text for vocational courses at Levels 2 and 3, foundation degrees and introductory courses for undergraduates.

*Switchgear and Protection* Pearson Education India  
The fundamentals and implementation of digital electronics are essential to understanding the design and working of consumer/industrial electronics, communications, embedded systems, computers, security and military equipment. Devices used in applications such as these are constantly decreasing in size and employing more complex technology. It is therefore essential for engineers and students to understand the fundamentals, implementation and application principles of digital electronics, devices and integrated circuits. This is so that they can use the most appropriate and effective technique to suit their technical need. This book provides practical and comprehensive coverage of digital electronics, bringing together information on fundamental theory, operational aspects and potential applications. With worked problems, examples, and review questions for each chapter, *Digital Electronics* includes: information on number systems, binary codes, digital arithmetic, logic gates and families, and Boolean algebra; an in-depth look at multiplexers, de-multiplexers, devices for arithmetic operations, flip-flops and related devices, counters and registers, and data conversion circuits; up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital instrumentation. A comprehensive, must-read book on digital

electronics for senior undergraduate and graduate students of electrical, electronics and computer engineering, and a valuable reference book for professionals and researchers.

*The Theory of Machines* S. Chand Publishing  
Offers key concepts of electrical machines embedded with solved examples, review questions, illustrations and open book questions.

**Electrical Machine Dynamics** McGraw-Hill Companies  
The two major broad applications of electrical energy are information processing and energy processing. Hence, it is no wonder that electric machines have occupied a large and revered space in the field of electrical engineering. Such an important topic requires a careful approach, and Charles A. Gross' *Electric Machines* offers the most balanced, application-oriented, and modern perspective on electromagnetic machines available. Written in a style that is both accessible and authoritative, this book explores all aspects of electromagnetic-mechanical (EM) machines. Rather than viewing the EM machine in isolation, the author treats the machine as part of an integrated system of source, controller, motor, and load. The discussion progresses systematically through basic machine physics and principles of operation to real-world applications and relevant control issues for each type of machine presented. Coverage ranges from DC, induction, and synchronous machines to specialized machines such as transformers, translational machines, and microelectromechanical systems (MEMS). Stimulating example applications include electric vehicles, wind energy, and vertical transportation. Numerous example problems illustrate and reinforce the concepts discussed. Along with appendices filled with unit conversions and background material, *Electric Machines* is a succinct, in-depth, and complete guide to understanding electric machines for novel applications.

**The Theory of Machines** Routledge  
This updated edition includes: coverage of power-system estimation, including current developments in the field; discussion of system control, which is a key topic covering economic factors of line losses and penalty factors; and new problems and examples throughout.

**Fundamentals of Electrical Drives** S. Chand Publishing  
This book is designed based on revised syllabus of Gujarat Technological University, Gujarat (AICTE model curriculum) for under-graduate (B.Tech/BE) students of all branches, those who study Basic Electrical Engineering as one of the subject in their curriculum. The primary goal of this book is to establish a firm understanding of the basic laws of Electric Circuits, Network Theorems, Resonance, Three-phase circuits, Transformers, Electrical Machines and Electrical Installation.

**Objective Electrical Technology** S. Chand Publishing  
For over 15 years "Principles of Electrical Machines" is an ideal text for students who look to gain a current and clear understanding of the subject as all theories and concepts are explained with lucidity and clarity. Succinctly divided in 14 chapters, the book delves into important concepts of the subject which include Armature Reaction and Commutation, Single-phase Motors, Three-phase Induction motors, Synchronous Motors, Transformers and Alternators with the help of numerous figures and supporting chapter-end questions for retention.

**Principles of Electric Machines and Power Electronics** Palgrave

The second edition of this reference provides comprehensive examinations of developments in the processing and applications of carbon black, including the use of new analytical tools such as scanning tunnelling microscopy, Fourier transform infrared spectroscopy and inverse gas chromatography.; Completely rewritten and updated by numerous experts in the field to reflect the enormous growth of the field since the publication of the previous edition, Carbon Black: discusses the mechanism of carbon black formation based on recent advances such as the discovery of fullerenes; elucidates micro- and macrostructure morphology and other physical characteristics; outlines the fractal geometry of carbon black as a new approach to characterization; reviews the effect of carbon black on the electrical and thermal conductivity of filled polymers; delineates the applications of carbon black in elastomers, plastics, and zirconographic toners; and surveys possible health consequences of exposure to carbon black.; With over 1200 literature citations, tables, and figures, this resource is intended for physical, polymer, surface and colloid chemists; chemical and plastics engineers; spectroscopists; materials scientists; occupational safety and health physicians;

and upper-level undergraduate and graduate students in these disciplines.

**The General Theory of Alternating Current Machines** Pearson Education India

This book is written so that it serves as a text book for B.E./B.Tech degree students in general and for the institutions where AICTE model curriculum has been adopted. TOPICS COVERED IN THIS BOOK:- Magnetic field and Magnetic circuit Electromagnetic force and torque D.C. Machines D.C. Machines-Motoring and Generation SALIENT FEATURES:- Self-contained, self-explanatory and simple to follow text. Numerous worked out examples. Well Explained theory parts with illustrations. Exercises, objective type question with answers at the end of each chapter.

**The Theory of Machines** Springer

Electric Machinery Fundamentals continues to be a best-selling machinery text due to its accessible, student-friendly coverage of the important topics in the field. Chapman's clear writing persists in being one of the top features of the book. Although not a book on MATLAB, the use of MATLAB has been enhanced in the fourth edition. Additionally, many new problems have been added and remaining ones modified. Electric Machinery Fundamentals is also accompanied by a website that provides solutions for instructors, as well as source code, MATLAB tools, and links to important sites for students.

**The Theory of Machines** Vikas Publishing House

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily *Theory of Machines (A Textbook for Student B E/B. Tech)* CRC Press

For close to 30 years, "Basic Electrical Engineering" has been the go-to text for students of Electrical Engineering. Emphasis on concepts and clear mathematical derivations, simple language coupled with systematic development of the subject aided by illustrations makes this text a fundamental read on the subject. Divided into 17 chapters, the book covers all the major topics such as DC Circuits, Units of Work, Power and Energy, Magnetic Circuits, fundamentals of AC Circuits and Electrical Instruments and Electrical Measurements in a straightforward manner for students to understand.

**The Theory of Machines** John Wiley & Sons

In the present edition, authors have made sincere efforts to make the book up-to-date. A notable feature is the inclusion of two chapters on Power System. It is hoped that this edition will serve the readers in a more useful way.

**Languages and Machines** Routledge

While writing the book, we have continuously kept in mind the examination requirements of the students preparing for U.P.S.C.(Engg. Services) and A.M.I.E.(I) examinations. In order to make this volume more useful for them, complete solutions of their examination papers up to 1975 have also been included. Every care has been taken to make this treatise as self-explanatory as possible. The subject matter has been amply illustrated by incorporating a good number of solved, unsolved and well graded examples of almost every variety.

**Design and Testing of Electrical Machines** PHI Learning Pvt. Ltd.  
"Fundamentals of Electrical Engineering and Electronics" is a useful book for undergraduate students of electrical engineering and electronics as well as B.Sc. Electronics. The book discusses concepts such as Network Analysis, Capacitance, Electromagnetic Induction, Motors Circuits and Diodes in an easy to relate and thereby understand manner. Designed in accordance with the syllabi of most major universities, the book is an essential resource for anyone aspiring to learn the fundamentals and teaches students much about the subject itself. A book which has seen, foreseen and incorporated changes in the subject for more than 50 years, it continues to be one of the most sought after texts by the students.

**The Theory of Machines** Seagull Books Pvt Ltd

The basic theory, principle of operation and characteristics of transformers, three-phase induction motors, single-phase induction motors, synchronous machines and dc machines are dealt with in Appendices to provide the background for the design of these machines. The initial chapters of the book are devoted to basic parameters of design of electrical apparatus, characteristics of magnetic, electric and insulating materials, construction of electrical machines, and basic design requirements of magnetic and electrical circuits of machines. Detailed procedures for designing transformers, three-phase induction motors, single-phase induction motors, synchronous machines and dc machines are explained in a simple and logical way. Several sample designs

have been worked out in detail. Methods of carrying out various tests and maintaining test records are discussed in detail. The use of computers in designing electrical machines has been illustrated. An exclusive chapter on special machines explains the basic theory and applications of stepper motors, rotating phase

converters, pole amplitude modulated (PAM) motors, reluctance motors and energy efficient motors. This book is intended for degree and diploma students of electrical engineering and professional examinations of the Institution of Engineers (India). It

will be useful for electrical engineers in industry engaged in design, manufacture and testing of electrical machines. Electrical and Electronic Principles and Technology S. Chand Publishing  
The third edition of.

Related with Machines By Jb Gupta Theory And Performance Of Electrical:

- What Language Is Argentina Speak : [click here](#)