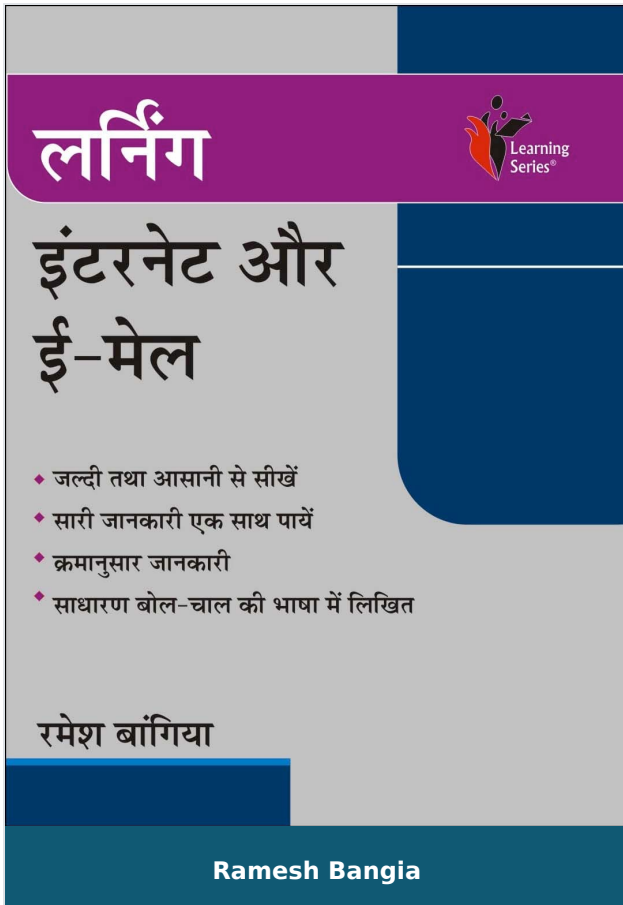




Learning Internet and E-mail

Author :	Ramesh Bangia
ISBN 13 :	978-93-81068-11-3
ISBN 10 :	9381068119
E-ISBN 13 :	978-93-81068-11-3
Edition :	First
Pages :	225
Type of book :	Physical
Year :	2009
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 225.00
Categories :	Computer Books - Hindi, Book Store, Learning Series, BASIC COMPUTER BOOKS
Condition Type :	New
Country Origin :	India

Product Description

Learning of a software is both easy and difficult. It depends upon what level you planning to learn. If you are learning only for the working use, then it is very easy. But, when you try to go deep into it, then you realise how difficult it is to master it. Internet & Email is such a vast subject that it will take a lot of time to understand it fully. This book has been written in mind to make you aware of the options available in the software and how they can be used. It is like telling the child about the steps and stairs. You are the one who is to climb the stair. This book will just guide you how to use the stairs.

Table Of Contents

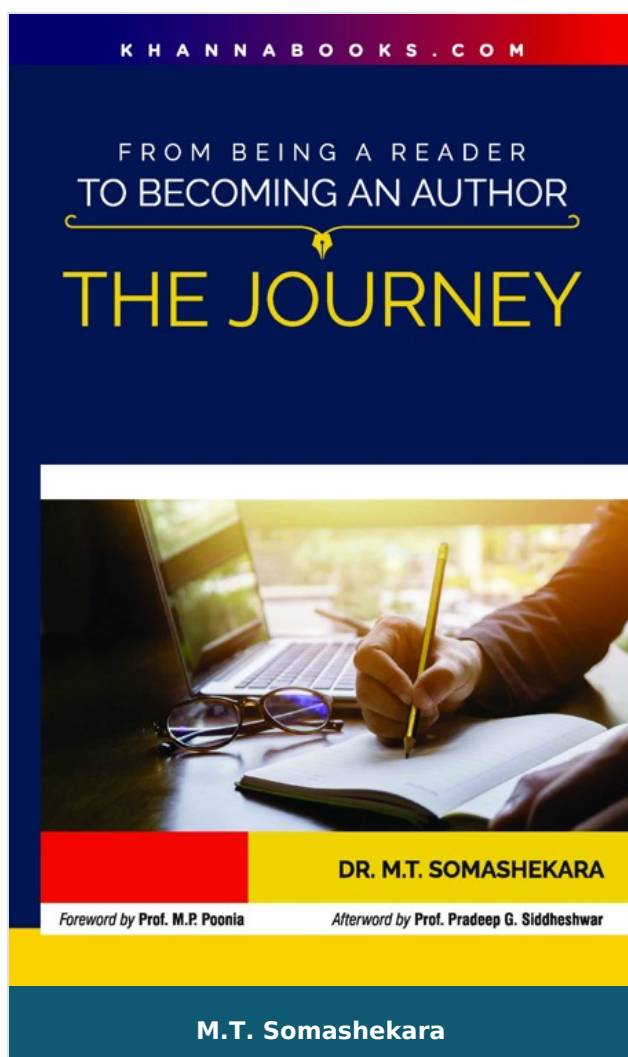
- Introduction to Internet
- Setting up Your Computer for Internet
- Introduction to World Wide Web
- Electronics Mail (e-mail)
- Electronic Mail (e-mail) contd
- File Transfer Protocol (FTP)
- Telnet
- Surfing the Net
- Creating a Web Page using Front Page
- Creating a New Web Page using Dreamweaver 2004
- Creating a Form
- Registering and Publishing Your Website
- Making Money from Web
- Interesting Websites
- Glossary
- Question
- Keyboard Shortcuts of Internet Explorer

Author

Ramesh Bangia

Ramesh Bangia, has been writing computer books on various topics. He has written books for Schools. Training Institutes, Technical Universities, Distance Education Programs, Colleges and General. His tally of books exceeds 500 in number. Trained both in India and Abroad and having studied at IIT Delhi, he becomes automatic choice for most of the

publishers in India. Though based in Delhi, his books are popular all over India and are even exported to Middle East and African countries.



The Journey - From Being a Reader to Becoming an Author

Author : M.T. Somashekara

ISBN 13 : 978-93-89139-05-1

ISBN 10 : 9389139058

E-ISBN 13 : 978-93-89139-05-1

Edition : First

Pages : 130

Type of book : Physical

Year : 2021

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 199.00

Categories : [Management Books, General Books, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Here is a collection of my motivational and directional messages on authoring academic books. They answer the questions why should a teacher in an institution of higher learning involve in authoring an academic book? And How to go about authoring keeping in mind the expectations from the book's perspective readers and the expectations from the prospective publishers?

And in addition to these there is one more chapter (9th one) namely "9. Responses from Professors of Eminence, Teachers, Friends and Team Members on the Initiative and on the Motivational and Directional Communications".

The messages in the well-organized chapters undoubtedly clear all inhibitions in the mind of a teacher aspiring to become an author. The book has thus turned out to be a reference guide consisting of the right set of prescriptions for budding authors of academic books to realize their dream of becoming an author.

Table Of Contents

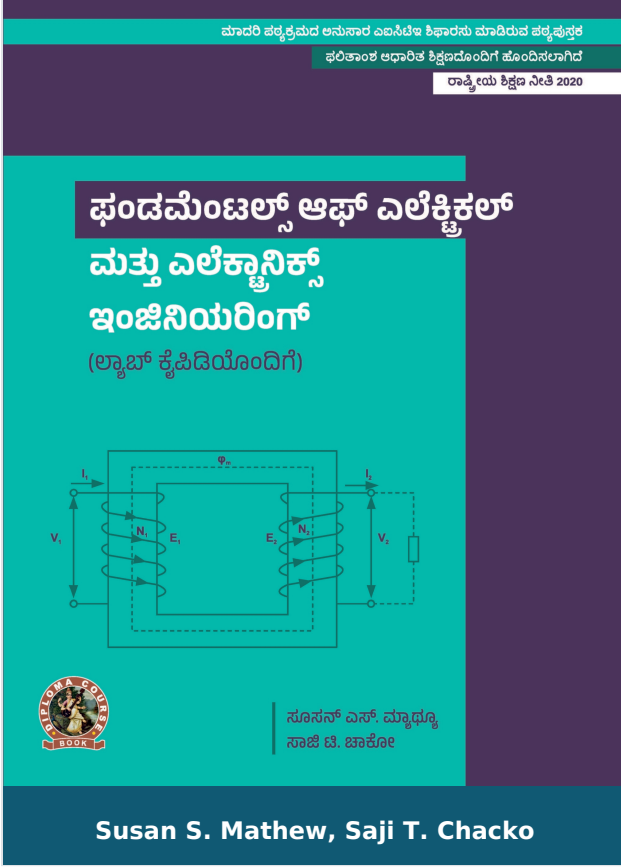
- Nature of Authoring Work
- Impact of Authoring on Teaching and Learning
- Impact of Authoring on Improvement in English Language
- Benefits of Publishing with Internationally Reputed Publishers
- Experiences Gained During the Authoring Process
- Motivational Quotes by Others
- Impact of Authoring on our Life
- Directional Communication on How to Go About Authoring
- Responses from Professors of eminence, teachers, friends and team members on the initiative and on the motivational and directional communications.
- Postface
- Afterword.

Author

M.T. Somashekara

M.T. Somashekara is with the Department of Computer Science and Applications, Bangalore University, Bengaluru. He has over two decades of teaching experience at both UG and PG levels. He has authored three other books 'Problem Solving with C', 'Object-Oriented Programming with C++' and 'Object-Oriented Programming with JAVA' published by PHI Learning Private Limited, New Delhi and all of these have seen multiple editions. They have been adopted as textbooks/reference books for UG and PG courses of more than a hundred universities and autonomous colleges in the country. He has also authored a unique motivational and directional book on authoring academic books entitled 'The Journey – From Being a Reader to Becoming an Author' brought out by

Khanna Publishing House and it is useful for those aspiring to become academic authors as it not only motivates but guides also as to how to go about academic authoring. He has several research papers to his credit in national and international journals. He is a life member of ISTE CSI, ISCA, and IUPRAI. His areas of academic interest include Data Structures, Algorithms, Programming Languages, Operating Systems, and Databases. His areas of research include Image Processing and Pattern Recognition.



Fundamentals of Electrical and Electronics Engineering (with Lab Manual)

Author :	Susan S. Mathew, Saji T. Chacko
ISBN 13 :	978-93-55380-13-5
ISBN 10 :	9355380135
E-ISBN 13 :	978-93-55380-13-5
Edition :	1
Pages :	288
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Kannada Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

“Fundamentals of Electrical & Electronics Engineering” is a compulsory paper for the first year Diploma course in Engineering & Technology Syllabus of this book is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concept of outcome based education.

Books covers six topics- Overview of Electronics Components and Signals. Overview of Analog Circuits. Overview of Digital Electronics, Electric and magnetic Circuits, A.C. Circuits and Transformer and Machines. Each topic is written in easy and lucid manner. A set of exercises at the end of each units to test the student’s comprehension is provided.

Some salient features of the book:

1. Content of the book aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.
2. The practical applications of the topics are discussed along with micro projects and activities for generating further curiosity as well as improving problem solving capacity.
3. Book provides lots of vital facts, concepts, principles and other interesting information.
4. QR Codes of video resources and websites to enhance use of ICT for relevant supportive knowledge have been provided.
5. Student and teacher centric course materials included in book in balanced manner.
6. Figures, tables, equations and comparative charts are inserted to improve clarity of the topics.
7. Objective questions and subjective questions are given for practices of students at the end of each unit.

Solved and unsolved problems including numerical examples are solved with systematic steps.

Table Of Contents

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students,
- Overview of Electronic Components and Signals.
- Overview of Analog Circuits.
- Overview of Digital Electronics.
- Electric and Magnetic Circuits.
- AC Circuits.
- Transformer and Machines.
- Appendices
- Answer to Objective Questions
- Reference for Further Learning
- Co and PO Attainment Table
- Index

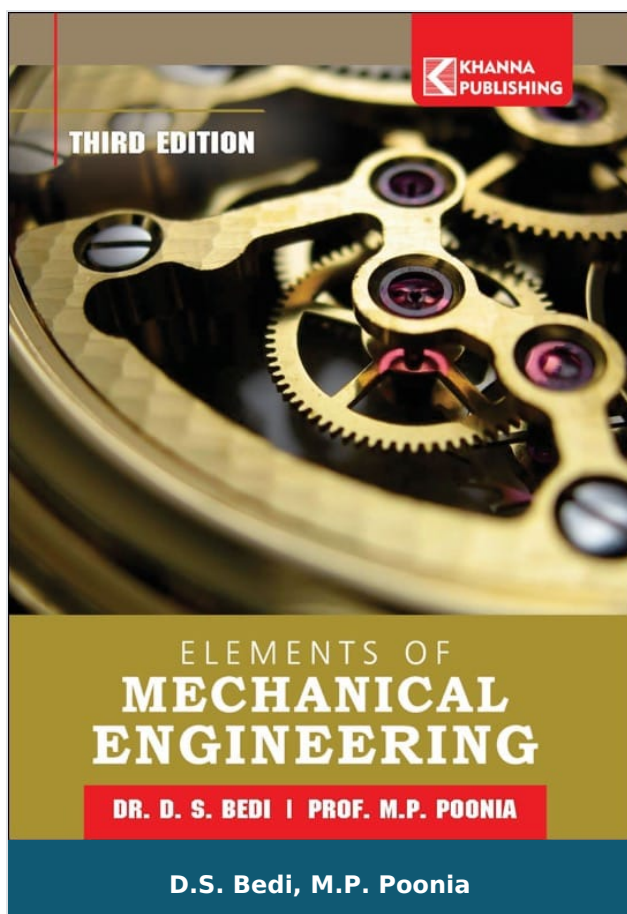
Author

Susan S. Mathew

Susan S. Mathew

Saji T. Chacko

Saji T. Chacko </p>



Elements of Mechanical Engineering

Author : D.S. Bedi, M.P. Poonia

ISBN 13 : 978-93-86173-06-5

ISBN 10 : 9386173069

E-ISBN 13 : 978-93-86173-06-5

Edition : Third

Pages : 748

Type of book : Physical

Year : 2019

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 450.00

Categories : [Mechanical Engineering,](#)
[UNIVERSITY RECOMMENDED,](#)
[Mechanical Engineering, Book](#)
[Store](#)

Condition Type : New

Country Origin : India

Product Description

The subject 'Elements of Mechanical Engineering' embraces 3 different fields of Mechanical Engineering, namely Thermodynamics, Strength of Materials and Theory of Machines.

The book is written in simple and easy to understand language. The authors have ingeniously brought in situations encountered by common man in his day-to-day life, so as to generate interest in the reader for the subject which otherwise leaves him high and dry.

In addition to this, every topic is supplemented with large no. of solved examples (more than 300 examples) which deals with every possible situation. At the end of each chapter, review questions have been added so that the students are made conversant with the type of compulsory questions they have to face in university exam. These are also followed by large no. of model problems.

Table Of Contents

- Basic Concepts of Thermodynamics
- Properties of Pure Substances
- First Law of Thermodynamic-Closed Systems
- First Law of Thermodynamics Applied to Flow Processes
- Second Law of Thermodynamics
- Entropy
- Gas Power Cycles
- Internal Combustion Engines
- Mechanisms and Machines
- Lifting Machines
- Concept of Mechanical Behavior of Engineering Materials
- Relation Between Elastic Constants
- Engineering Materials
- Centroid, Centre of Gravity, Second Movement of Area and Mass Movement of Inertia
- Index

Author

D.S. Bedi

Dr. D.S. Bedi is one of the distinguished writers in India. He possesses a very excellent academic background. He had held various high positions viz. formerly Professor Emeritus at Department of Mechanical Engineering, Institute of Engineering and Technology (Punjab); Professor & Head, Dept. of Mechanical Engineering, Thapar Institute of Engineering & Technology (Punjab); Visiting Professor at Wayne State University, Detroit, MI (USA); Principal, Baba Banda Singh Bahadur Engineering College, (Punjab); Advisor-

cum-Consultant at G.G.S. College of Modern Technology (Punjab); Director, Punjab College of Engineering; Technology, Punjab.

M.P. Poonia

Dr. M.P. Poonia is presently serving as Vice Chairman, All India Council for Technical Education (AICTE). Prior to this, he remained as Director, National Institute of Technical Teachers' Training and Research (NITTTR), Chandigarh. Dr. Poonia is the recipient of Bharat Mata Award conferred by Indian Institute of Oriental Heritage (an International Institute of Oriental Studies and Research, Kolkata). Dr. M.P.Poonia is specialized in the field of Mechanical Engineering. He possesses a vast experience of 30 years. He has published 80 research papers in National and International Journals and published 8 books with M/s. Khanna Book Publishing Company.

Cover
Image
not
available

Sadhu Singh

Khanna's Conventional & Objective Type Questions & Answers in Mechanical Engineering

Author :	Sadhu Singh
ISBN 13 :	978-93-86173-97-3
ISBN 10 :	9386173972
E-ISBN 13 :	978-93-86173-97-3
Edition :	First
Pages :	900
Type of book :	Physical
Year :	2018
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 750.00
Categories :	OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

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

Product Description

Khanna's Conventional & Objective Type Questions & Answers in Mechanical Engineering

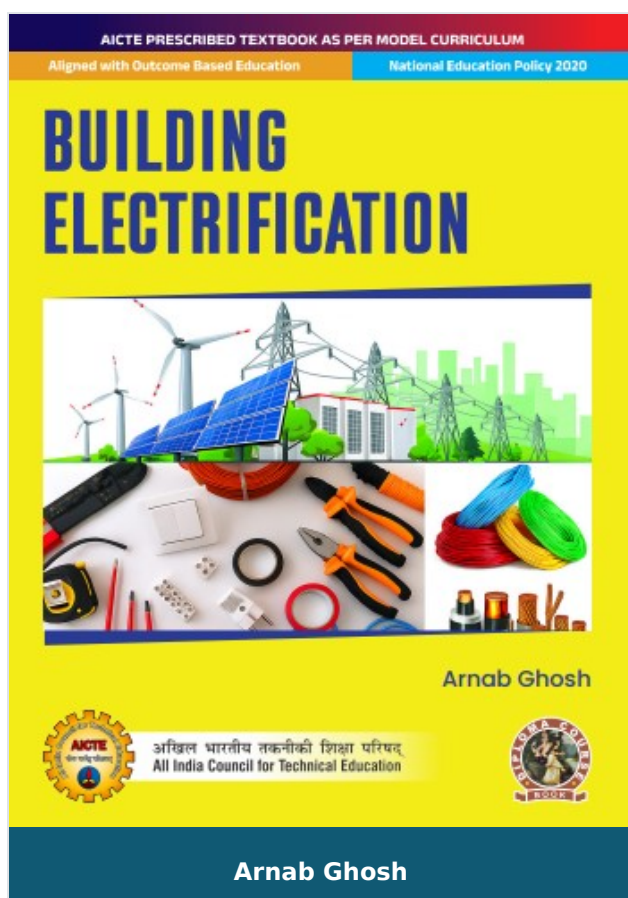
Table Of Contents

- Khanna's Conventional & Objective Type Questions & Answers in Mechanical Engineering

Author

Sadhu Singh

Dr. Sadhu Singh is a retired professor of Mechanical Engineering of Govind Ballabh Pant university of Agriculture & Technology, Pantnagar. He graduated in Mechanical Engineering with Hons, from Punjab University, Chandigarh, M.Sc. (Mechanical Design & Production Engineering) and Ph.D. from Kurukshetra University, Kurukshetra. His teaching experience spans 15 years at Regional Engineering College (now NIT), Kurukshetra and 19 years at Pantnagar University. He has been Professor & Head, Mechanical Engineering Department and Dean, Faculty of Engineering & Technology at Pantnagar. He has been Director (Colleges). Punjab Technical University, Jalandhar.



Building Electrification

Author : Arnab Ghosh

ISBN 13 : 978-93-55383-28-0

ISBN 10 : 9355383282

E-ISBN 13 : 978-93-55383-28-0

Edition : First

Pages : 404

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 748.00

Categories : [AICTE Prescribed Textbooks,](#)
[English Books, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Building Electrification

This book aims to provide readers, especially third-year diploma students, with a thorough knowledge of Building Electrification in the best possible way. The syllabus of this book is as per the AICTE curriculum model, following the National Education Policy 2020. Each book chapter is very lucid, so one can easily understand the underlying concepts. Review questions, exercises, QR codes of online links, and other learning resources follow explanatory examples. The book discusses electrical wiring tools and accessories, electrical wires and underground cables, wiring methods and wiring layout, residential building electrification, protection of electrical installation, and illumination in residential installation.

Salient Features:

- Content of book aligned with the mapping of Course Outcome, Programs Outcomes, and Unit Outcomes.
- At 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 for the use of ICT, projects, group discussion, etc.
- Student and teacher-centric subject materials are included in the book in a balanced and chronological manner.
- Apart from the essential information, a 'know more' section is also provided in each unit to extend the learning beyond the syllabus.
- Multiple choice questions, short and long-answer questions are given in the exercise for students' practice after every chapter.

- Solved and unsolved problems, including numerical examples, are solved systematically.

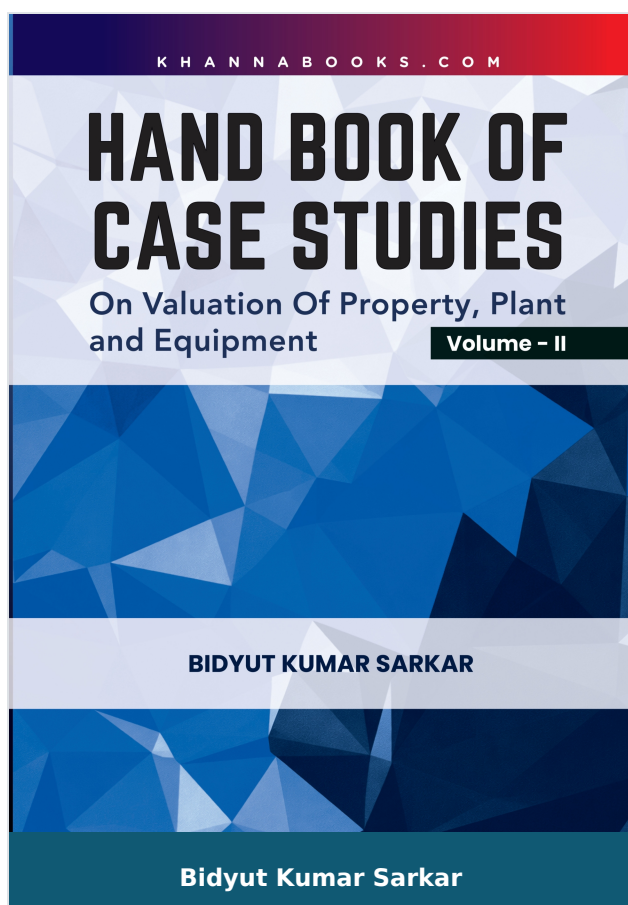
Table Of Contents

- Foreword
- Dedication
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- WIRING TOOLS & ACCESSORIES
- ELECTRICAL WIRES AND UNDERGROUND CABLES
- WIRING METHODS AND WIRING LAYOUT
- RESIDENTIAL BUILDING ELECTRIFICATION
- PROTECTION OF ELECTRICAL INSTALLATION
- ILLUMINATION IN RESIDENTIAL INSTALLATION
- References For Further Learning
- CO And PO Attainment Table
- Index

Author

Arnab Ghosh

Dr. Arnab Ghosh Assistant Professor Department of Electrical Engineering (EE) National
Institute of Technology Rourkela



Handbook Of Case Studies (On Valuation of Property, Plant and Equipment), Volume-2

Author : Bidyut Kumar Sarkar

ISBN 13 : 978-93-74545-09-6

ISBN 10 : 9374545098

E-ISBN 13 : 978-93-74545-09-6

Edition : First

Pages : 712

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 1,450.00

Categories : [New Arrivals, Mechanical Engineering, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

Handbook Of Case Studies (On Valuation of Property, Plant and Equipment), Volume-II

“Hand book of Case Studies: On Valuation of Property, and Equipment (Volume – II)” offers a comprehensive and practical guide for students and professionals aiming to develop expertise in valuation report writing within the field of PPE. Drawing on real-world examples and detailed case studies, the book effectively bridges the gap between valuation theory and practical application, making it an essential resource for practicing valuers. Valuation is a critical skill across many industries, yet the practical aspects of report writing are often underrepresented in traditional education.

This book addresses that gap by providing structured guidance on preparing accurate and reliable valuation reports. It covers key areas such as data collection, analysis of market conditions, valuation methodologies, and adherence to professional standards, with a strong focus on mortgage valuation scenarios. Through its case studies, the book demonstrates how professional judgement, supported by technical knowledge, leads to objective and defensible valuations.

The book also emphasizes the importance of understanding the context of valuation, including the expectations of investors, property owners, and businesses, as well as evolving market conditions. It highlights the role of the valuer as an intermediary who connects clients with market realities and provides insights that support informed financial decision-making. Written in a clear and accessible style, Hand book of Case studies: On Valuation of property, Plant, and Equipment serves both as professional seeking to enhance their skills in property and asset valuation.

Table Of Contents

- Revaluation of Property, Plant & Equipment:
- Banarhat Tea Estate, Jalpaiguri, Andrew Yule & Company Ltd., Kolkata
- Revaluation of Property, Plant & Equipment:
- Namring Tea Estate, Darjeeling Tea & Cinchona Association Ltd., Kolkata
- Revaluation of Fixed Assets:
- Quality Gases Pvt. Ltd., Plot No. U-2, Upper Terrace New Industrial Area, Pasakha, Bhutan
- Valuation of Real Property:
- Multi-Storied RCC Framed Hotel Building, PS Bhaktinagar, Dist. Jalpaiguri
- Revaluation of Property, Plant & Equipment:
- RSA Pvt. Ltd., Thimphu, Bhutan
- Revaluation of Property, Plant & Equipment:
- RSA Pvt. Ltd., (Lime Stone Unit) Thimphu, Bhutan
- Revaluation of Property, Plant & Equipment:
- RSA Pvt. Ltd., (Marble Processing Unit) Thimphu, Bhutan
- Revaluation of Property, Plant & Equipment:
- RSA Pvt. Ltd., (Poly Unit) Thimphu, Bhutan
- Revaluation of Property, Plant & Equipment:
- RSA Pvt. Ltd., (Wall Putty Unit) Thimphu, Bhutan
- Revaluation of Property, Plant & Equipment:
- S.D Eastern Bhutan Ferro Silicon Pvt. Ltd. Samdrup Jongkhar, Bhutan
- Revaluation of Property:
- Risk Inspection Report Tata Metaliks Limited
- Valuation of Property, Plantation, Plant & Equipment:

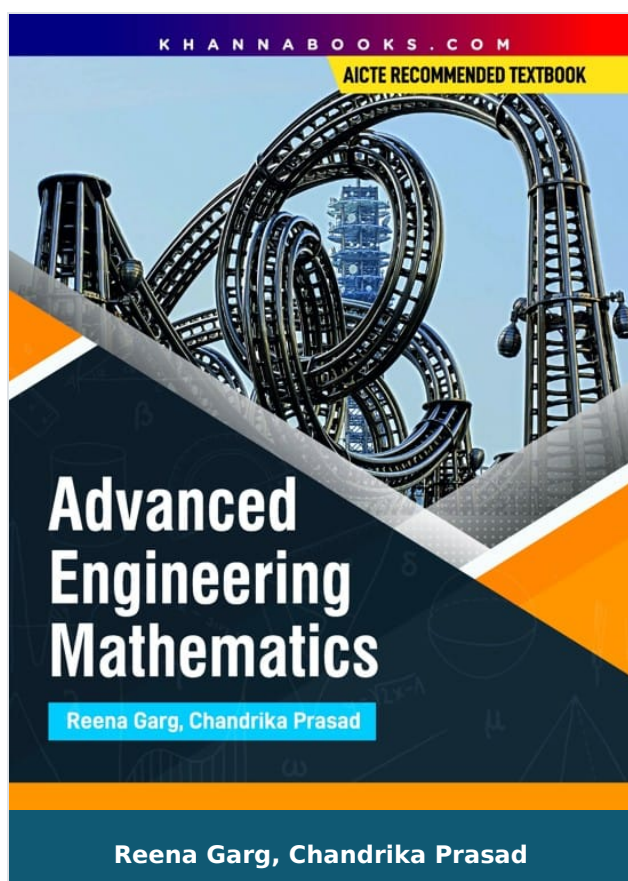
- Karbal Tea Estate, Jalpaiguri, Andrew Yule & Company Ltd., Kolkata
- Valuation of Property, Plantation, Plant & Equipment:
- Banarhat Tea Estate, Jalpaiguri, Andrew Yule & Company Ltd., Kolkata
- Valuation of Property, Plantation, Plant & Equipment:
- Zimdra Food Pvt. Ltd., Zordan Lam, Phuentsholing, Bhutan
- Revaluation of Real Assets, 2021:
- Royal Insurance Corporation of Bhutan Ltd. Thimphu, Bhutan
- Revaluation of Property, Plant & Equipment:
- Bhutan Ferro Alloys Ltd., Tashi Commercial Complex, Phuentsholing, Bhutan
- Revaluation of Property, Plant & Equipment:
- Druk Gypproducts & Chemicals Ltd., Nganglam, Bhutan
- Revaluation of Property, Plant & Equipment:
- Green Wood Manufacturing, Phuentsholing, Bhutan
- Revaluation of Property, Plant & Equipment:
- Samden Vehicles Pvt. Ltd., Babesa Expressway, Thimphu, Bhutan
- Revaluation of Property, Plant & Equipment:
- State Trading Corporation of Bhutan Ltd.

Author

Bidyut Kumar Sarkar

Bidyut Kumar Sarkar , is a former Scientific Officers/Engineering of the Department of Atomic Energy, Govt of India, Mumbai. He is a Chartered Engineer & a Fellow of the Institution of Engineering (India), Institution of Valuers (India), a Member of American Society of Appraisers (USA), A Regd Valuer under section 34 AB of the income tax & Wealth Tax Act 1957, Govt of India. He has been serving last 40 years as a consultant to Govt/Semi Govt/PSU/Corporate clients Spread over India, Bhutan, Nepal, and beyond

which enables him to have a large tapestry of In-depth experience of valuation of tangible & intangible assets involving diverse industries viz, large and medium Hydropower plants, steel plants, steel plants, ferro Silicon and Ferro alloys plants, Ferro Silicon Magnesium plants, Mines & mineral industries. Cement, Chemical & Other Continuous Process Industries, Distilleries, Cigarette manufacturing and Readymade textile plants, wood Based Industries, Rigid PVC Pipes & Films manufacturing plants, food & Milk Processing industries, Real Properties, Five-star hotel (le' Meridien, Thimphu), Tea processing plants & plantation, large automatic particle board and gyp board plants, large residential complexes etc. and boundless creativity by navigating vibrant terrain and cultural nuances of people and places, real and surreal. He did publish a paper on Nuclear Instrumentation & process Control at a National Seminar Organized by BARC, Trombay, Mumbai and a number of books of poems in English.



Advanced Engineering Mathematics

Author : Reena Garg, Chandrika Prasad

ISBN 13 : 978-93-86173-52-2

ISBN 10 : 9386173522

E-ISBN 13 : 978-93-86173-52-2

Edition : First

Pages : 1032

Type of book : Physical

Year : 2023

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 799.00

Categories : [UNIVERSITY RECOMMENDED,](#)
[APPLIED SCIENCES &](#)
[HUMANITIES, Book Store,](#)
[APPLIED SCIENCES &](#)
[HUMANITIES](#)

Condition Type : New

Country Origin : India

Product Description

This book provides a comprehensive, thorough and up to date treatment of mathematics in engineering and sciences. This is intended to introduce students of engineering, physics, mathematics, computer sciences and other related fields to those areas of applied mathematics that are most relevant for solving practical problems. Practice is the key word in the learning process of mathematics . The aim of this book is to provide a vast knowledge of mathematics and its diverse practical use in daily lives. The course contents in this book are the sole pre-requisites. The experience of the author of more than a decade in teaching at under graduate, post graduate level and in the research areas of mathematics in University makes this book useful.

In this book all the topics and related concepts have been given in a lucid and simple way filling every gap between students and mathematics. A lot of worked examples are given so as to help the readers understand better.

Table Of Contents

- Matrices and ITS Applications
- Application to Geometry
- Coordinate Geometry of Three Dimensions
- Expansion of Functions (Taylor's and Maclaurin's Series)
- Partial Differentiation
- Reduction Formlae: Definite Integrals
- Vector Calculus
- Infinite Series
- Fourier Series
- Differentiation
- Partial Differential Equations
- Function of a Complex Varibale
- Laplace Transforms and ITS Application
- Fourier Transform and ITS Application
- Empirical Laws and Curve Fitting.
- Solution to Numerical, Algebraic and Trabscendental Equation
- Numerical Solution of Ordinary Differential Equations
- Numerical Solution of Ordinary Differential Equations
- Numerical Solution of Partial Differential Equations

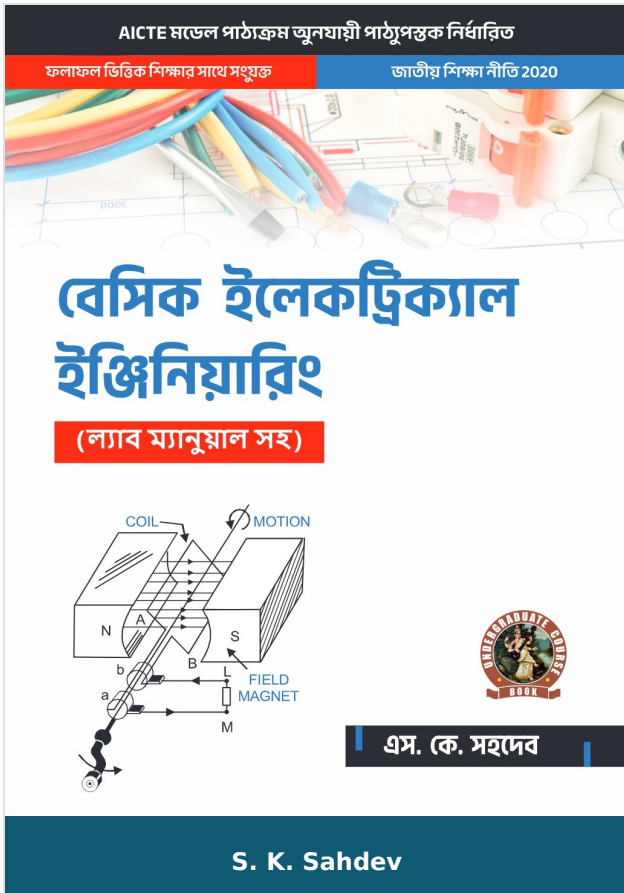
Author

Reena Garg

Dr. Reena Garg , M.Sc. Mathematics (Gold Medalist), M.Phil, Ph.D is Assistant Professor (Mathematics) in YMCA University of Science & Technology, Faridabad (Haryana). She also taught in C.I.T.M. Faridabad (presently known as Manav Rachna International University, Faridabad). Her teaching experience of more than a decade has made this book more valuable for the knowledge seekers. She has published more than 10 research papers in various International Journals. She is a life-time member of Forum of Inter-disciplinary mathematics in India. She is a member of reviewer Board in IJRET, Bangalore.

Chandrika Prasad

Chandrika Prasad



Basic Electrical Engineering (with Lab Manual)

Author :	S. K. Sahdev
ISBN 13 :	978-93-55381-09-5
ISBN 10 :	9355381093
E-ISBN 13 :	978-93-55381-09-5
Edition :	1
Pages :	416
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, Bengali Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

This textbook “Basic Electrical Engineering” is based on the latest syllabus of the Universities AICTE and Educational Institutes. In this edition, some material of the book has been rewritten to make the presentation easily comprehensible. More illustrative examples mainly from IAS, IES and GATE and other competitive examinations have been added. Various problems with answers have been added to support the text. For quick revision, summary/ highlights are given at the end of each chapter.

Salient Features:

1. DC Circuits
2. AC Circuits
3. Transformers
4. Electrical Machines
5. Power Converters
6. Electrical Installations

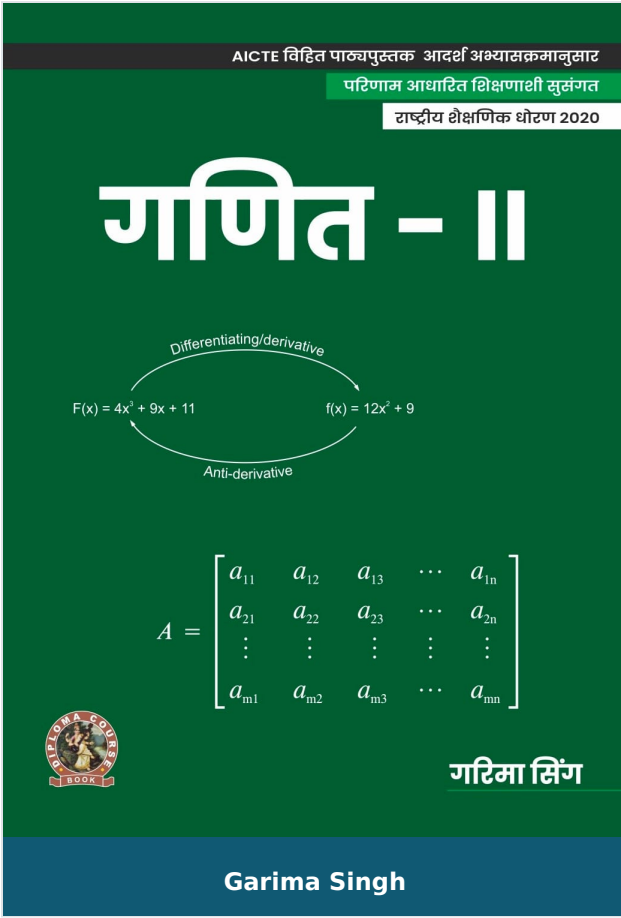
Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Abbreviations and Symbols
- List of Figures
- Guidelines for Teacher
- Guidelines for Students
- DC Circuits.
- AC Circuits.
- Transformers.
- Electrical Machines.
- Power Converters.
- Electrical Installations.

Author

S. K. Sahdev

S. K. Sahdev



Mathematics-II

Author :	Garima Singh
ISBN 13 :	978-93-55380-20-3
ISBN 10 :	9355380208
E-ISBN 13 :	978-93-55380-20-3
Edition :	First
Pages :	168
Type of book :	Physical
Year :	2022
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Marathi Books, Book Store, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

“Mathematics-II” is a Compulsory paper for the first year students of Diploma engineering courses (common to all branches). Syllabus of this book is strictly aligned to the model curriculum of AICTE. And academic content is amalgamated with the concept of outcome based education. Apart from diploma it is useful for all students who are interested in basic /elementary mathematics and competitive examinations.

Book covers seven topics- Determinants, Matrices, Integral Calculus and it's applications. Co-ordinate Geometry and it's applications, vectors and it's applications, Differential equations. Basic of MATLAB.

Each topic is written in an easy and lucid manner with a holistic view. There has been deliberated attempt to keep the number of pages in the book minimum without compromising with the matter. Every chapter contains a set of exercises at the end of each unit to test the student's comprehension.

Some salient features of the book:

1. For direct recapitulation of main concepts, formulae and results a brief summary of each unit has been given.
2. Objective questions and subjective questions are given for practice of students after every unit.
3. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and unit Outcomes.
4. Apart from the theory explanation and solved examples book provides for mini projects, activities, fun facts, QR codes, case studies, video resources etc.
5. The text has been supplemented with notes, remarks, remember sections within grey boxes.

6. Student and teacher centric subject materials are included in the book in a balanced manner.
7. Real life applications are inserted to improve clarity of this topics.
8. Know more section has been introduced which constitutes of additional information related to the topic.
9. Check-out section has been introduced so as to active the curiosity part of the student by correlating all the topics studied in this book with MATLAB.
10. At the end of each unit. An excerpt related to eminent Indian Mathematicians is given so as to make .
11. Student have a glimpse of the rich Indian heritage, especially in the field of mathematics.

Table Of Contents

- Foreword,
- Acknowledgement,
- Preface,
- Outcome Based Educations,
- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students
- Determinants and Matrices
- Integral Calculus
- Co-ordinate Geometry
- Vector Algebra
- Differential Equations
- Appendices & Annexures

Author

Garima Singh

Garima Singh