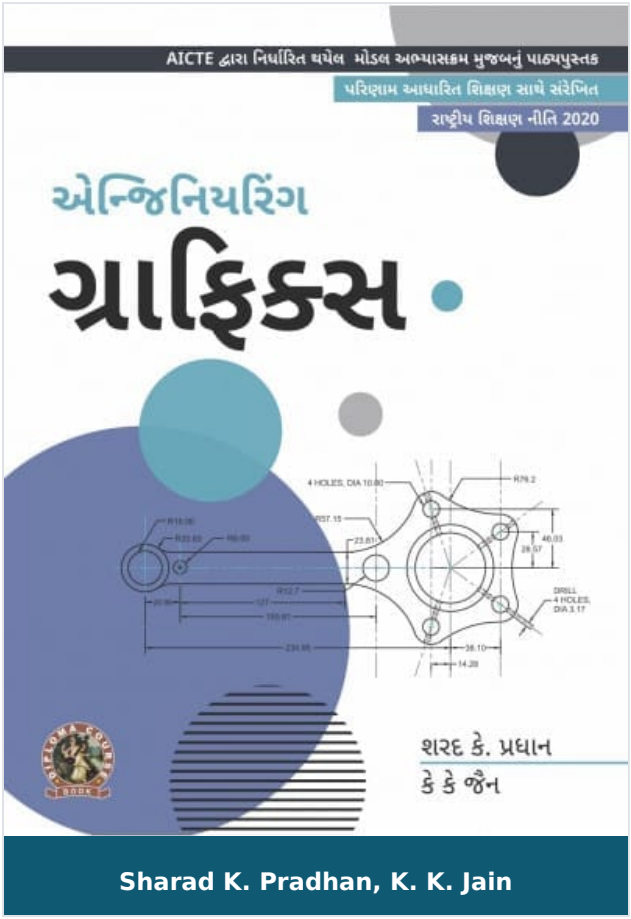


Engineering Graphics

Author :	Sharad K. Pradhan, K. K. Jain
ISBN 13 :	978-93-55380-27-2
ISBN 10 :	93-55380-27-5
E-ISBN 13 :	978-93-55380-27-2
Edition :	First
Pages :	276
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 395.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Bookstore, Ebooks
Condition Type :	New
Country Origin :	India

Product Description

“ Engineering Graphics” 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. Book covers six topics- Basic Elements of drawing , Orthographic Projections, Isometric Projections, Free Hand Sketcher of Engineering Elements, Computer Aided Drafting Interface, Computer Aided Drafting. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student’s comprehension.

Some salient features of the book:

1. Content of the book is aligned with the mapping of Course Outcomes, Programs Outcomes and Unit Outcomes.

2. In start of each unit learning outcomes are listed to make the student understand what is expected out of him/ her after completing that unit.

3. Book provides lots of recent information, interesting facts, Codes for E-resources, QR Code for use of ICT, projects, group discussion etc.

4. Student and teacher centric subject materials included in book with balanced and chronological manner.

5. Figures, tables and software screen shots are inserted to improve clarity of the topics.

6. Apart from essential information a ‘Know More’ section is also provided in each unit to extend the learning beyond syllabus.

7. Short questions, objective questions and long answer exercises are given for practice of students after every chapter.

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

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- Orthographic Projections
- Isometric Projections
- Free Hand Sketches of Engineering Elements
- Computer Aided Drafting Interface
- Computer Aided Drafting

Author

Sharad K. Pradhan

Sharad K. Pradhan

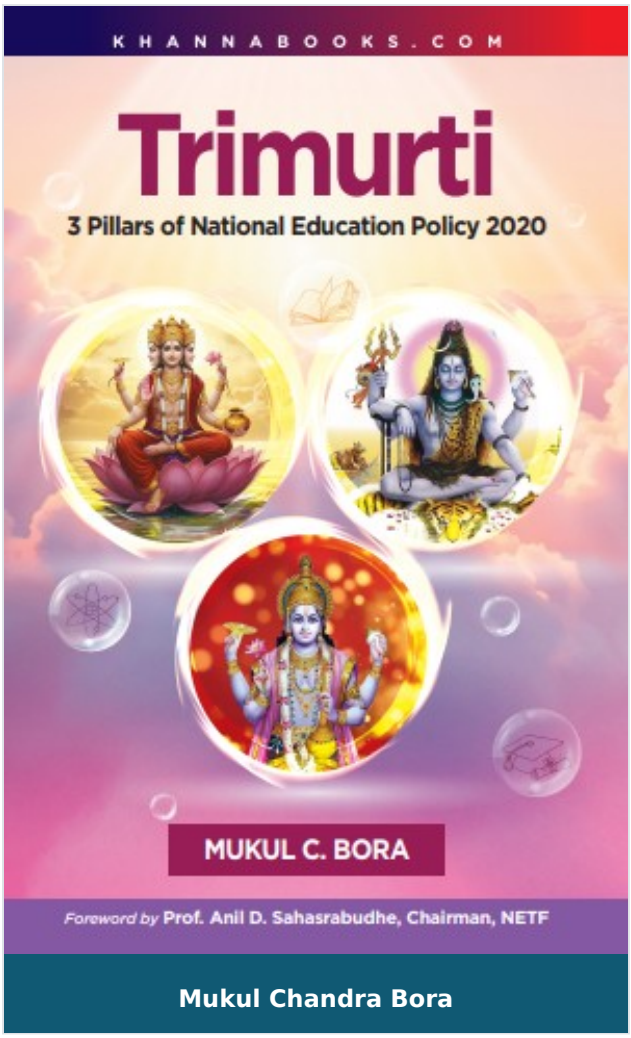
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Trimurti (3 Pillars of National Education Policy 2020)

Author :	Mukul Chandra Bora
ISBN 13 :	978-93-55385-21-5
ISBN 10 :	93-55385-21-8
E-ISBN 13 :	978-93-55385-21-5
Edition :	1
Pages :	144
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 199.00
Categories :	New Arrivals, Bookstore, Education & Knowledge Systems
Condition Type :	New
Country Origin :	India

Product Description

3 pillar of National education policy 2020

This book beautifully connects the wisdom of the Trimurti-Brahma, Vishnu and Shiva, with the vision of our National education policy (NEP) - 2020. It blends Bharat’s ancient knowledge traditions with modern education reforms, inspiring holistic growth, inclusivity and future readiness for learners and educators alike.

Salient Features

- Presents NEP 2020 through the lens of India’s cultural heritage.
- Explains how Brahma, Vishnu and Shiva are considered symbols of India’s education system’s creation, preservation, and transformation
- Highlights the Indian Knowledge system’s role in modern education.
- Promotes multidisciplinary, values-based and skill-oriented education.
- Bridges tradition and innovation for sustainable progress.
- Written in simples, engaging and relatable language.

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- Lord Vishnu and multidisciplinary Education and Research
- Rudra as the third pillars of National Education policy 2020
- The Role of IKS, Multidisciplinary Research, and 21st Century Skills as per National Education Policy 2020
- Conclusion

Author

Mukul Chandra Bora

Dr. Mukul Chandra Bora has an extensive academic background in civil engineering, reflecting his commitment to scholarly excellence. He earned a Ph.D. in Civil Engineering from the Indian Institute of Technology (TIT) Guwahati in 2011, following an M. Tech in Geotechnical Engineering from IIT Kharagpur in 2000. His journey in the field began with aB.E.in Civil Engineering from Dibrugarh University in 1988. With decades of professional experience, Dr. Bora has held key academic and administrative roles. Since August 2012, he has been the Director of the Institute of Engineering & Technology, Dibrugarh University. Previously, he served as State Project Administrator for the Northeast State Project Implementation Unit (2017-2021) of TEQIP - III project of Ministry of Education, Government of India. His teaching career includes a tenure at Technical Education Department of Government of Assam together with professional experience as a Quantity Surveyor at PBS Limited, Guwahati (199l-1995) and a Site Engineer at M.L. Dalmiya & Co.

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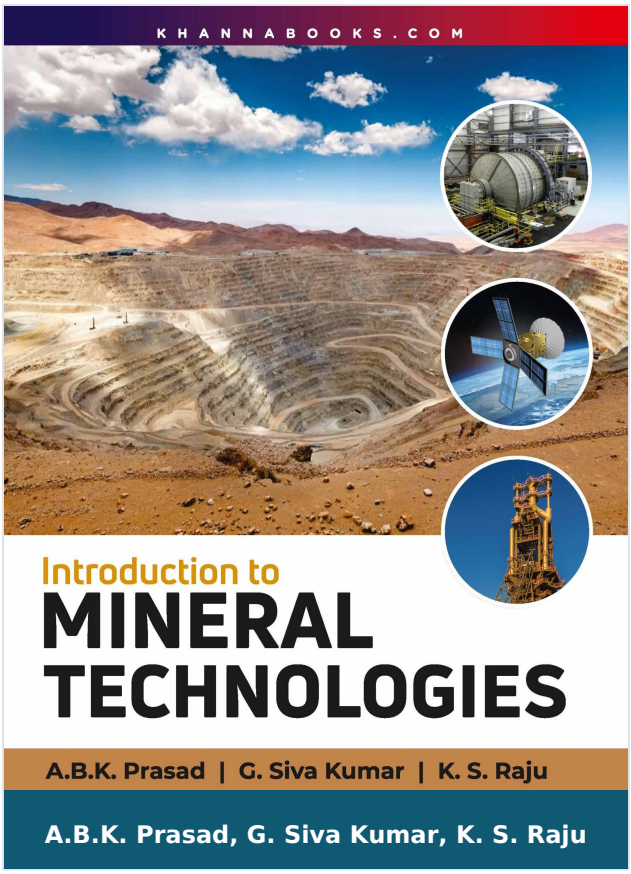
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Ltd., Kolkata (l989-1991). Dr. Bora's research and consultancy work focus on ground improvement techniques, geosynthetics, rainfall impact on groundwater, non-biodegradable waste in construction, and slope stabilization. He has contributed significantly to materials characterization and geotechnical investigations for major infrastructure projects, including power plants and industrial facilities. He is at fellow of the Institution of Engineers (India), a Senior Member of the Asia Pacific Chemical, Biological and Environmental Engineering Society (Hong Kong), and a Member of the International Association for Life Cycle Civil Engineering (Italy). Additionally, he serves as a reviewer for reputed journals, including Springer's Journal of the Institution of Engineers (India), Series A. Beyond civil engineering, Dr. Bora has made remarkable contributions to the Bhartiya Knowledge System (BKS), which encompasses philosophy, science, mathematics, astronomy, Ayurveda, linguistics, and traditional Indian technologies. Rooted in ancient texts like the Vedas and Upanishads, BKS has profoundly influenced Indian civilization. Dr. Bora is dedicated to reviving and integrating traditional Indian knowledge with modern research and education, bridging the gap between ancient wisdom and contemporary advancements. His book, ''Foundations of Bhartiya Knowledge System" (2023), published by Khanna Publishing House, delves into the fundamental principles of India's knowledge systems, promoting their relevance in the modem era. Through his work, Dr. Bora continues to advance both civil engineering and India's intellectual heritage, fostering a deeper appreciation of Bhartiya wisdom among scholars and students.

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Introduction to Mineral Technologies

Author :	A.B.K. Prasad, G. Siva Kumar, K. S. Raju
ISBN 13 :	978-93-55383-07-5
ISBN 10 :	93-55383-07-X
E-ISBN 13 :	978-93-55383-07-5
Edition :	1
Pages :	276
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 498.00
Categories :	New Arrivals, Metallurgical Engineering, Bookstore
Condition Type :	New
Country Origin :	India

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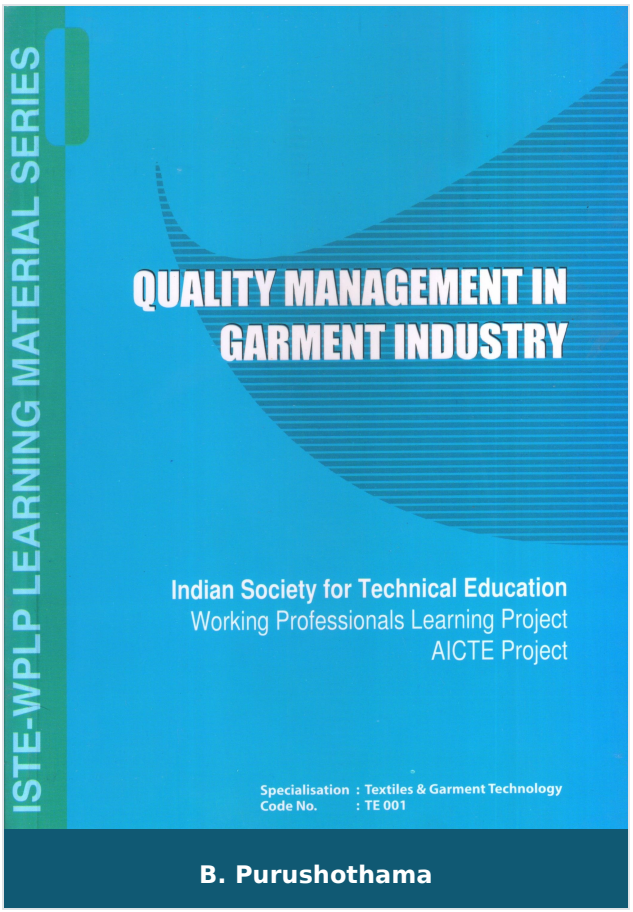
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Quality Management in Garment Industry

Author :	B. Purushothama
ISBN 13 :	978-93-55388-23-0
ISBN 10 :	93-55388-23-3
E-ISBN 13 :	978-93-55388-23-0
Edition :	1
Pages :	432
Type of book :	Physical
Year :	2006
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 650.00
Categories :	Bookstore, ISTE Series, Best Sellers, Textiles And Garment Technology
Condition Type :	New
Country Origin :	India

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Product Description

The growth in the industry might be due to many reasons. It might be because of inefficiency of our competitors, some changes in social environment, changes in the policies of the government, shortage of certain commodities due to improper planning or implementation of plans, etc. The garment industries in USA and Europe are presently facing many problems and are almost on the verge of closing. Research are rapid increases in wages, non-availability of qualified and skilled workers and monotonous work environment in the garment industry. The efforts made to reduce expenses could not be help to compete because of cheap availability of labour in developing countries of Asia and South America. The garment industry hence shifted to Asian Countries as Asia has an advantage of skilled artisans at low wages.

The industry scenario is changing. A number of new project are coming up. Thanks to the initiatives in IT and BT. All the new ventures must introduce the concept of Quality Management Systems so that quality of product is maintained, while cost of production is kept at minimum. This also holds good for existing small scale cottage industries as well as big industries.

In this book an attempt is made to give brief insight to various Quality Management Systems and how the same could be adopted in the garment industry. This learning materials is intended for managerial and technical staff working in Garment industry and students in Textiles and Garments Technology. It is hoped that this book will be quite useful for technical staff working in Garment industries to monitor and maintain the quality of the products before being shipped.

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Author

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Sonal Yadav

Computer System Organization

Author :	Sonal Yadav
ISBN 13 :	978-93-55387-71-4
ISBN 10 :	93-55387-71-7
E-ISBN 13 :	978-93-55387-71-4
Edition :	First
Pages :	184
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 348.00
Categories :	AICTE Prescribed Textbooks, English Books, Bookstore
Condition Type :	New
Country Origin :	India

Product Description

Computer System Organization

The key concepts of computer system organization are covered in this book. All the fundamental concepts of computer structures, control unit design arithmetic operations, microprocessor architecture. Assembly language programming, and memory interfacing with input-output devices are covered in the book. This book combines theoretical knowledge with practical applications. It also presents state-of-the-art experiments using Verilog HDL language, 8086 microprocessor, NASM assembler, and Gem5 simulator. Each topic can be studied further to advance levels by scanning QR codes provided in the chapters.

This book is written for diploma and undergraduate students of CSE, IT, ECE, and MCA to strengthen the ability to analyze and solve simple to complex computer system organization problems. In ‘know more’ section, notable Indian inventors as well as rich Indian Vedas knowledge and fundamental principles are presented for motivating readers to practice our valuable principles in modern lifestyle.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units 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.

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- 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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- Micro Programmed Control
- Microprocessor Architecture
- Assembly Language Programming
- Memory and Digital Interfacing
- References for Further Learning
- CO and PO Attainment Table
- Index

Author

Sonal Yadav

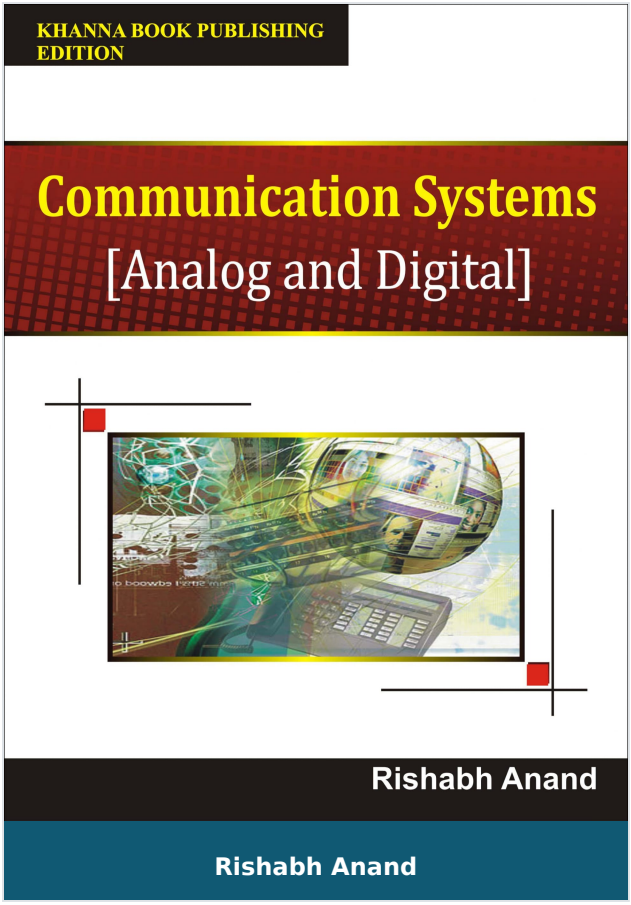
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Communication Systems [Analog and Digital]

Author :	Rishabh Anand
ISBN 13 :	978-93-81068-34-2
ISBN 10 :	93-81068-34-8
E-ISBN 13 :	978-93-81068-34-2
Edition :	First
Pages :	1168
Type of book :	Physical
Year :	2011
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 325.00
Categories :	Electrical, Electronics & Communication Engineering, Bookstore
Condition Type :	New
Country Origin :	India

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Product Description

This book covers the complete latest syllabus of subject as suggested by most of the universities in India. Step-by-step procedures given for solving problems. A bulleted list of important points is listed in the chapter summery. Proper balance between mathematical detail and qualitative discussion. Moving from the unknown in a logical manner. At the end of the each chapter, a set of short answer questions and numerical are given for quick review of chapter concepts. Subject matter in each chapter develops systematically from inceptions. Book is mainly written for undergraduate Technical students, but you will find it helpful to the students who are preparing for various competitive examinations. Large number of carefully selected worked examples in sufficient details. Most simplified methods used. Each chapter of the book is saturated with much needed text supported by neat and self-explanatory diagrams to make the subject self-speaking to a great extent. Simple and lucid style. No other reference is required. Ideally suited for self study.

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- Appendix C: Error Functions
- Appendix D: Functions
- Appendix E: Probability Density Functions
- References

Author

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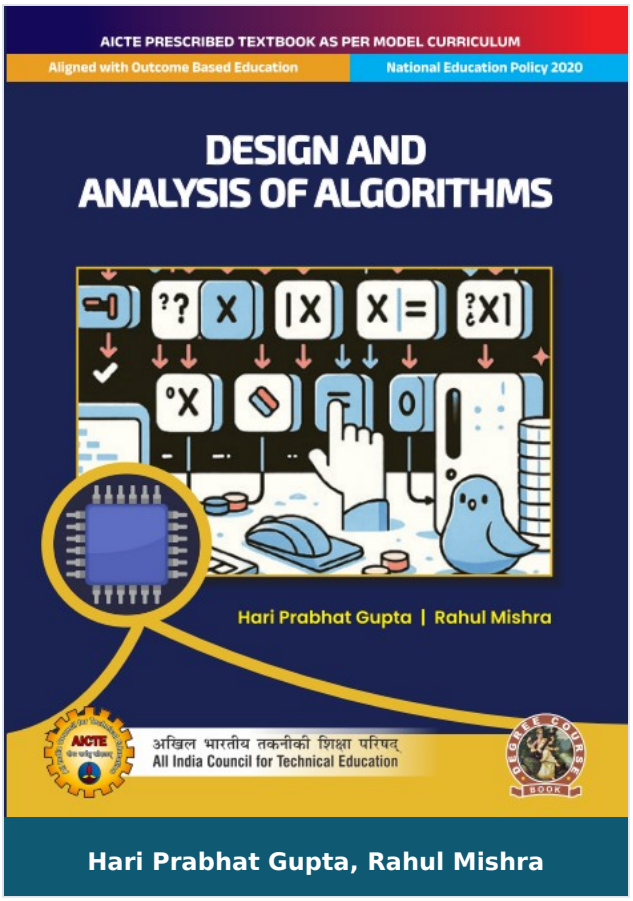
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Rishabh Anand received his Bachelor‘s degree B.E (Hons) in Electronics and Communication Engineering from Maharishi Dayanand University, Rohtak in 2006. The author is M.Tech. in Electronics and Communication Engineering from Veer Bahadur Singh Purvanchal University, Jaunpur in 2014, and MBA from Indian Institute of Management, Kozhikode in 2016. The Author is Program Diploma in Innovation Management from International Business Management Institute, Germany (Berlin) in 2020. The author has contributed to research publications in refereed, cited International Conferences and Journals, and attended many conferences, workshops, FDPs, and seminars. Also, he is the reviewer member of IJSDR Journal. He is a prolific author with 34 Text and Reference books to his credit, for B. Tech. (ECE/CSE/IT), M.Tech. (ECE/CSE/IT), BCA, MCA, and other courses of different Universities of India and overseas. His areas of interest include Software Project Management, Cloud Computing, Deep Learning, Tensor Flow, Python, R Programming and Machine Learning. He is currently working in ITES industry as a Global Service Delivery Manager. He is Project Management Professional (PMP)®, ITIL® Foundation Certificate in IT Service Management, PRINCE2® Practitioner Certification - Project Management, ScrumMaster® (CSM®), Certified Six Sigma White Belt (CSSWB™), Lean Six Sigma White Belt Certified (LSSWBC™) and Certified Six Sigma Green Belt™ (CSSGB™). The author delivers lectures as Visiting Faculty (Assistant Professor) in the Global Institute of Technology and Management, Farrukh Nagar, Gurgaon.

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Design and Analysis of Algorithms

Author :	Hari Prabhat Gupta, Rahul Mishra
ISBN 13 :	978-93-55386-70-0
ISBN 10 :	93-55386-70-2
E-ISBN 13 :	978-93-55386-70-0
Edition :	First
Pages :	324
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 598.00
Categories :	AICTE Prescribed Textbooks, English Books, Bookstore
Condition Type :	New
Country Origin :	India

Product Description

Design and Analysis of Algorithms

This book offers an in-depth exploration of designing and analysing algorithms. It covers topics such as algorithmic analysis, design principles, theoretical proofs, and practical applications. The content includes a logical example explaining the concepts, accompanied by a diverse range of solved and unsolved problems. Each problem is accompanied by step-by-step solutions, providing readers with a comprehensive understanding of algorithmic design and analysis. With its systematic approach, programming-based solutions, and thorough examples, this book serves as an ideal resource for those curious to learn basic to high level concept of algorithm design.

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 of him/ her after completing that unit.
- Book provides lots of recent information, interesting facts, logical examples, and solved programming exercises. Theorems and their proofs are added to provide detailed insight of analysis.
- Student and teacher centric subject material included in book in balanced and chronological manner.
- Figures, tables, and image-based elaborate examples are inserted to improve clarity of the topics. Salient Features:
- Short and long answer questions are given for practice of students after every chapter for practice of students after every chapter.

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- Solved and Unsolved programming exercises are included in the appendix of the book.
- QR Code at the start of every chapter provide convenient access to electronic resources, including solutions to programming problems, discussions on key concepts, and project topics for students

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Applied Physics-II (with Lab Manual)

Author :	Hussain Jeevakhan
ISBN 13 :	978-93-55381-70-5
ISBN 10 :	93-55381-70-0
E-ISBN 13 :	978-93-55381-70-5
Edition :	1
Pages :	296
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, Bookstore, Ebooks, Malayalam Books
Condition Type :	New
Country Origin :	India

Product Description

“Applied Physics-II” is a basic science course in the first year of the Diploma program in Engineering & Technology. Contents of this book are stringently aligned as per model curriculum of AICTE and incorporated with the concepts of outcomes-based education(OBE).

Book covers seven topics- Wave motion, Optics, Electrostatics, Current electricity, Electromagnetism, semiconductor physics and Modern physics. Each topic and its subtopics are written from the perspective of a student’s learning and in accord with the NEP 2020 guidelines. Every unit comprises a set of activities and exercise at the end to assist the student’s learning.

Some salient features of the book:

1. Unit Outcomes of each unit are mapped with Course Outcomes and Programs Outcomes.

2. Book Provides relevant interesting facts, QR Code for E-resources and use of ICT and suggested micro projects activities in each unit.

3. Content presented in book in chronological way.

4. Figures, tables and equations are given to improve clarity of the topics.

5. Solved examples are given with systematic steps.

6. MCQ’s, short and long answer questions and unsolved problems of understanding and above levels (Bloom’s Taxonomy) are given for learning reinforcement of students and as per OBE.

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- Foreword,
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- Course Outcomes,
- Abbreviations and Symbols,
- List of Figures,
- Guidelines for Teachers,
- Guidelines for Students
- Wave Motion and its applications.
- Optics.
- Electrostatics.
- Current Electricity.
- Electromagnetism.
- Semiconductor physics.
- Modern physics.
- Index

Author

Hussain Jeevakhan

Hussain Jeevakhan-789391505578(DIP126EN) “Applied Physics-ll” is a basic science course in the first year of the Diploma program in Engineering & Technology. Contents of this book are stringently aligned as per model curriculum of AICTE and incorporated with the concepts of outcomes-based education(OBE). Book covers seven topics- Wave

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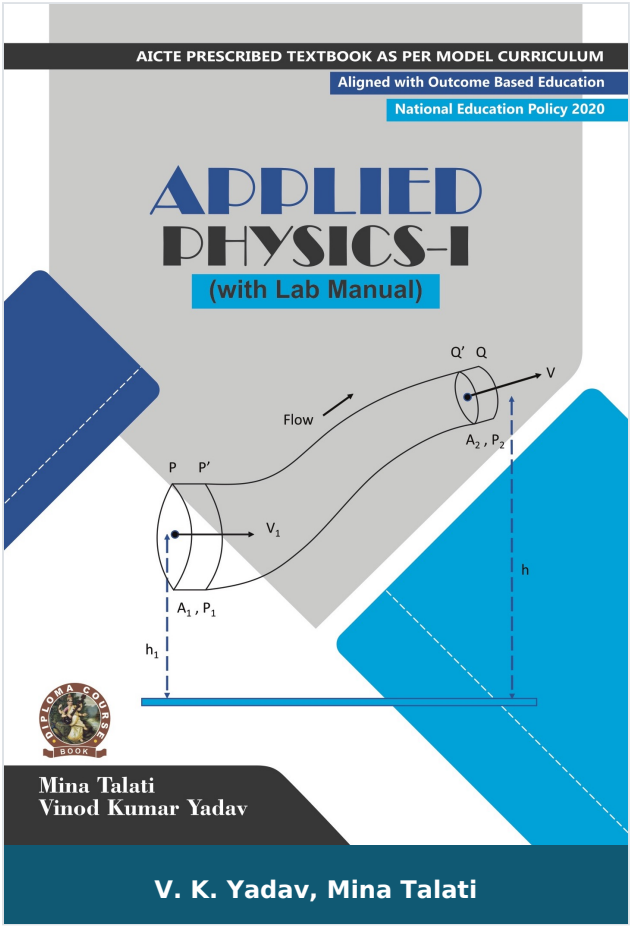
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motion, Optics, Electrostatics, Current electricity, Electromagnetism, semiconductor physics and Modern physics. Each topic and its subtopics are written from the perspective of a student’s learning and in accord with the NEP 2020 guidelines. Every unit comprises a set of activities and exercise at the end to assist the student’s learning. Some salient features of the book: l Unit Outcomes of each unit are mapped with Course Outcomes and Programs Outcomes. l Book Provides relevant interesting facts, QR Code for E-resources and use of ICT and suggested micro projects activities in each unit. l Content presented in book in chronological way. l Figures, tables and equations are given to improve clarity of the topics. l Solved examples are given with systematic steps. l MCQ’s, short and long answer questions and unsolved problems of understanding and above levels (Bloom’s Taxonomy) are given for learning reinforcement of students and as per OBE.

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Applied Physics I (with Lab Manual)

Author :	V. K. Yadav, Mina Talati
ISBN 13 :	978-93-91505-43-1
ISBN 10 :	93-91505-43-0
E-ISBN 13 :	978-93-91505-43-1
Edition :	First
Pages :	200
Type of book :	Physical
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	AICTE Prescribed Textbooks, English Books, Bookstore, Ebooks, Applied Sciences & Humanities
Condition Type :	New
Country Origin :	India

Product Description

“Applied Physic-l” is a compulsory paper for the first year Diploma course in Engineering & Technology. Syllabus of this books is strictly aligned as per model curriculum of AICTE, and academic content is amalgamated with the concepts of outcome-based education.

Book covers six topics- Physical World, Units and Measurements; Force and Motion; Work, Power and Energy; Rotational Motion; Properties of Matter; Heat and Thermometry. Each topic is written in easy and lucid manner. Every chapter contains a set of exercise at the end of each unit to test the student’s comprehension.

Some salient features of the book:

1. Content of the book is aligned with the mapping of Course Outcome, Programs Outcomes and Unit Outcomes.

2. Book provides lots of interested facts, QR Code for E-resources, QR Code for use of ICT etc.

3. Students and teacher centric subject materials are included in book with balanced and chronological manner.

4. Figures and tables are inserted to improve clarity of the topics.

5. Short questions, objective questions and long answer exercises of different difficulty levels are given for practice after every chapter.

6. Solved numerical examples are provided with systematic steps in each chapter followed by numerical exercises with hints.

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- Force and Motion
- Work, Power and energy
- Rotational Motion
- Properties of Matter
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- Annexes
- Appendices
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Author

V. K. Yadav

V. K. Yadav

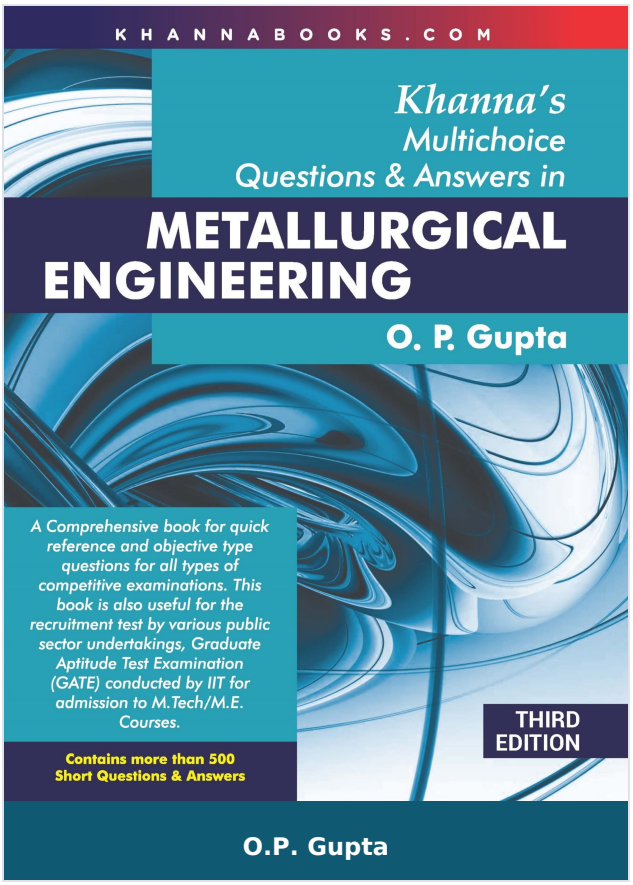
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Khanna's Multichoice Questions & Answers in Metallurgical Engineering

Author :	O.P. Gupta
ISBN 13 :	978-93-86173-11-9
ISBN 10 :	93-86173-11-5
E-ISBN 13 :	978-93-86173-11-9
Edition :	3
Pages :	1122
Type of book :	Physical
Year :	2023
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 499.00
Categories :	Objective Type Books, Metallurgical Engineering, Bookstore
Condition Type :	New
Country Origin :	India

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Product Description

This book is meant for diploma & degree student of metallurgical engineering for their academic programs as well as for various competitive examination for securing jobs. This book has been structured in three section. First section contains multiple choice type questions of various subjects of metallurgical engineering. Second section contains chapter wise question of GATE (Graduate Aptitude Test in Engineering) from 1991 to 2016. Third section contains SHORT QUESTIONS & ANSWERS in METALLURGICAL ENGINEERING. Fourth section contains APPENDICES containing Glossary of terms related to Metallurgical Engineering and Q&A of GATE-2017. This book has been designed to serve as "Hand Book of Metallurgical Engineering" which will be useful for various competitive examinations for recruitment in various public sector & Private Sector companies as well as for GATE Examination. Question have been arranged subject wise and answers are given at the bottom of the page.

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- Metallurgical Thermodynamics
- Metallurgical Kinetics
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- Section- C Short Questions & Answers in Metallurgical Engineering
- Glossary

Author

O.P. Gupta

O.P. Gupta Om Prakash Gupta is basically being a chemical engineer, he has a practising experience of efficient Ennergy management and HR functions in steel Industry for more than three decades. privileged to be the youngest writer of technical books in the country (for he had written his first book at the age of 24 years while doing M. Tech. at I.I.T

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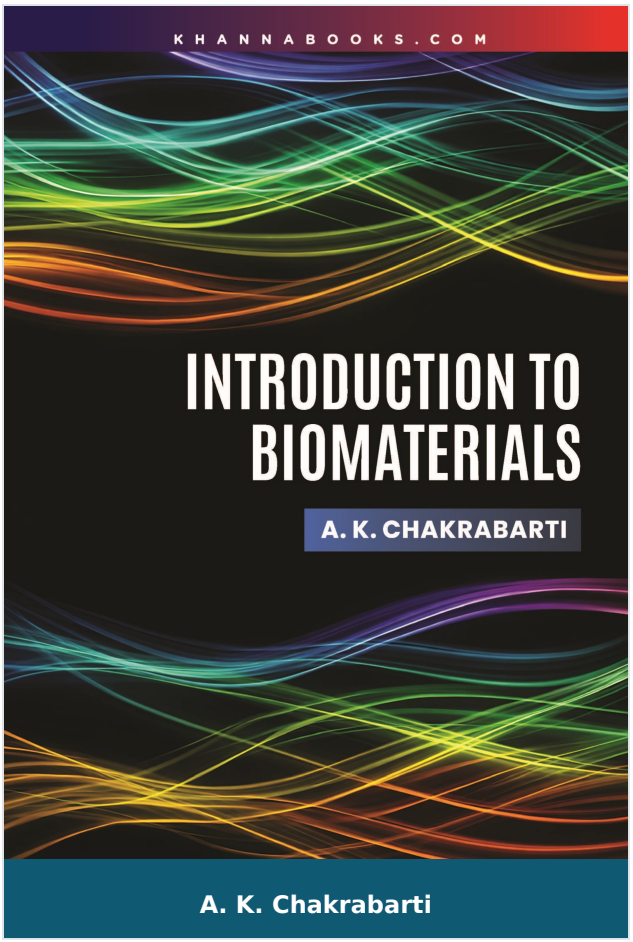
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kanpur in 1979), he has authored many frontline books for engineering students. besides, being the regular faculty member in technical courses for Management Trainees (Technical), he has also visited england and france on a study tour sponsored by United Nations Development Programme (UNDP) to study the scope of energy conservation in steel plants in 1987.

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Introduction To Biomaterials

Author :	A. K. Chakrabarti
ISBN 13 :	978-93-74548-69-1
ISBN 10 :	93-74548-69-0
E-ISBN 13 :	978-93-74548-69-1
Edition :	First
Pages :	116
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 245.00
Categories :	Chemical Engineering, New Arrivals, Bookstore
Condition Type :	New
Country Origin :	India

Product Description

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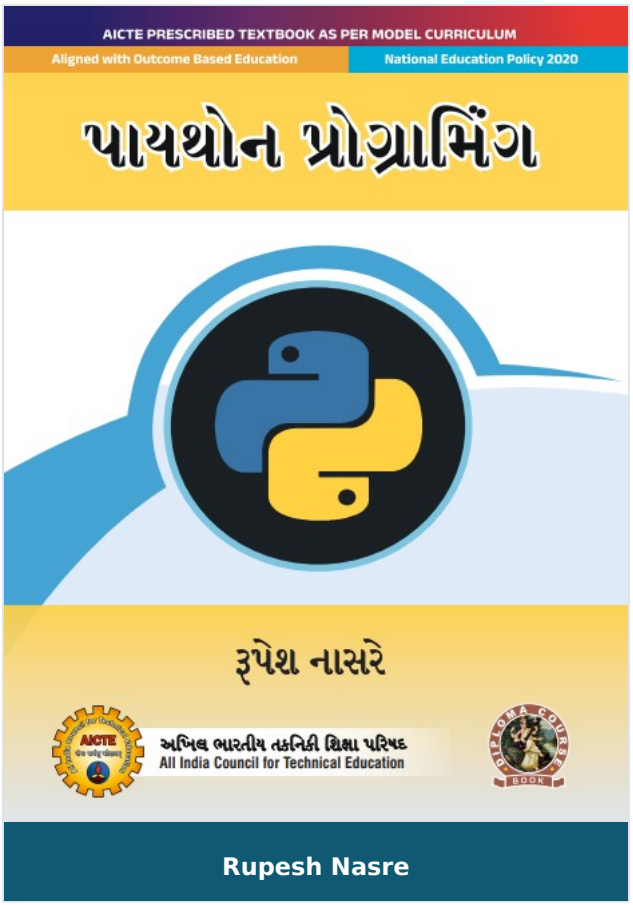
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Python Programming

Author :	Rupesh Nasre
ISBN 13 :	978-93-55385-63-5
ISBN 10 :	93-55385-63-3
E-ISBN 13 :	978-93-55385-63-5
Edition :	First
Pages :	244
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 398.00
Categories :	AICTE Prescribed Textbooks, Gujarati Books, Bookstore
Condition Type :	New
Country Origin :	India

Product Description

Python Programming

Python is the most popular programming language today. This book gently guides you to explore the world of python programming via simple examples. The focus of this book is on problem solving rather than introducing syntax. The problems have been carefully designed to introduce concepts, and to also keep the readers interested. Towards the second half, the book provides a flavor of the real-world applications, expanding the view of the learners.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units 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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