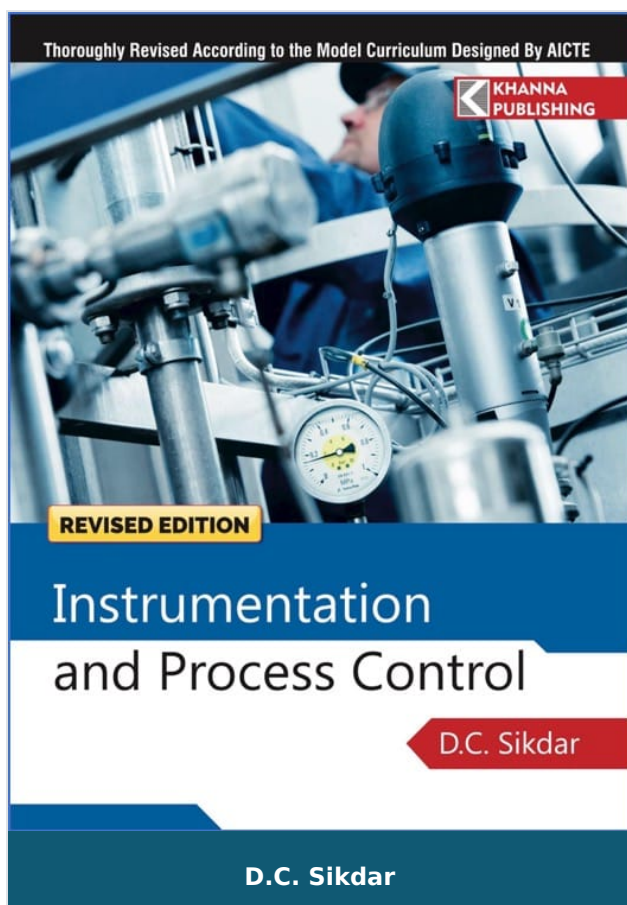




Instrumentation and Process Control

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E-ISBN 13 :	978-93-82609-04-9
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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

This book is students friendly. It also demonstrates how to solve the industry related problems that crop up in Chemical Engineering Practice. The chapters are organized in a simple way that enables that students to acquire and in depth understanding of the subject. The emphasis is given to the fundamental of measuring instrument, Laplace Transform, Basic Concept of process control, first order and Second order system, Control of Industrial Bio-processes, Controller and Final control elements, Block diagram reduction techniques, Determination of Stability of a process, Advanced control techniques and control Structure of unit operations, all coming under the realm of Process Control. Apart from the numerous illustrations, the book contains review questions, exercises and aptitude test in chemical Engineering which bridge the gap between theoretical learning and practical implementation. All numerical problems are solved in a systematic manner to reinforce the understanding of the concepts.

This book is primarily intended as a textbook for the under graduate students of Chemical Engineering, It will also be useful for other allied branches such as Medical Electronics, Aeronautical Engineering, Polymer Science and Engineering, Bio-technology as well as diploma in Chemical Engineering.

Table Of Contents

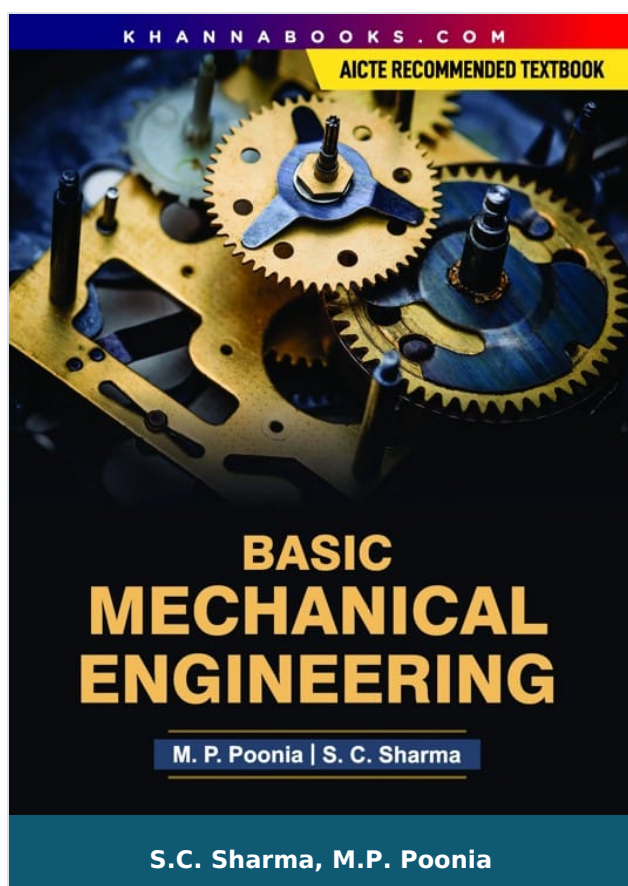
- Instrumentation Fundamental
- Pressure Measurements
- Temperature Measurements
- Flow Measurements
- Level Measurements
- Laplace Transform
- Basic Concept of Process Control and First Order System
- First Order System in Series
- Second Order System
- Industrial Bio-processes
- Controllers and Final Control Elements
- Block Diagram and Transient Response of Closed Loop Control System
- Stability
- Advanced Control Techniques
- Control Structure of Unit Operations
- Answer to Exercise Problems
- Appendix
- Index

Author

D.C. Sikdar

D.C. Sikdar D. C. Sikdar (Ph.D.) is an associate professor, Department of Chemical Engineering, Dayananda Sagar College of Engineering, Bangalore, with more than two

and half decades of teaching experience. Prof. Sikdar has published many papers in national and international journals of repute. he has received Best Research Thesis Award from Karnataka State Bio-fuel Development Board for guiding M.Tech Thesis on "Development of Bio-Hydrogen Dependent Fuel Cell using Micro Algae" in 2012. Prof. Sikdar is also a member of Indian Society of Technical Education (ISTE) and Indian Institute of Chemical Engineers (IIChE).



Basic Mechanical Engineering

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Categories :	Mechanical Engineering, UNIVERSITY RECOMMENDED, Mechanical Engineering, Book Store
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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

This book 'Basic Mechanical Engineering' has been written to provide knowledge and insight into various aspects of Mechanical Engineering. This book is intended as text book to be used by the students in the technical institutions i.e. Engineering Colleges and Polytechnics. The book covers Syllabi of various Universities on 'Basic Mechanical Engineering', 'Elements of Mechanical Engineering', 'Mechanical Engineering', 'Introduction to Mechanical Engineering' and 'Fundamentals of Mechanical Engineering' for the students of all the disciplines of Engineering.

Adequate attention has been paid to emphasize on basic principles involved in the subject matter. The explanation in the text has been supported with line diagrams, along with numerous solved problems.

The readers will find the book highly useful as a comprehensive text covering basic principles in simple language and easy to grasp formatting.

Table Of Contents

- Mechanics - An Introduction
- Transmission of Power
- Fundamentals of Thermodynamics and Heat Transfer
- Properties of Gases
- Properties of Steam
- Fuel and Combustion of Fuels
- Thermal Power Plants 1-Steam Boilers (Generators)
- Thermal Power Plants 2-Steam Engines, Turbines And Condenser
- Air Compressors
- Internal Combustion Engines (I.C Engines)
- Fuel System in I.C Engines
- Automobile Engineering
- Gas Turbines
- Refrigeration and Air Conditioning
- Hydraulic Pumps
- Hydraulic Devices
- Hydro Electric Power Plants
- Hydraulic Turbines
- Sources of Energy
- Engineering Materials Stress and Strain
- Manufacturing Process-Mechanical Working of Metals
- Pattern-Making Foundry and Casting
- Welding Engineering

- Tools, Jigs and Fixtures
- Machine Tools
- Automation and Robotics,
- Robotics
- Appendices
- Index

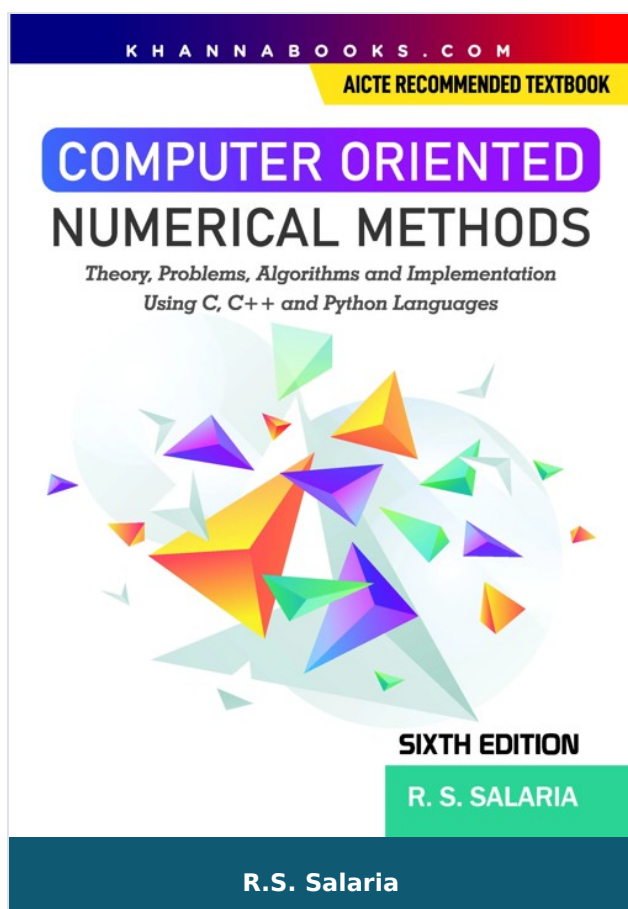
Author

S.C. Sharma

S.C. Sharma after graduation in 1966 joined as lecturer in Mechanical Engineering. He had been associated for more than 4 decades in various fields including learning and management of projects in India and abroad in different capacities. While working Hydro power projects for more than 15 years he has actively associated with various environmental and rehabilitation & resettlement issues and successfully resolved various complicated issues. He has also worked as consultant for matters related to safety, environment and R & R. He has written about a dozen books on subjects related to engineering and management including management of projects.

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.



Computer Oriented Numerical methods

Author :	R.S. Salaria
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E-ISBN 13 :	978-93-89139-00-6
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M.R.P :	Rs 425.00
Categories :	APPLIED SCIENCES & HUMANITIES, Book Store, APPLIED SCIENCES & HUMANITIES
Condition Type :	New
Country Origin :	India

Product Description

The subject of Computer Oriented Numerical Methods is one of the courses in the curriculum of almost all universities and other institutes offering undergraduate and postgraduate courses in Computer Science, Information Technology, and Physical Sciences. This book is designed as a textbook for the students taking these courses. Even the practicing engineers and researchers will also find it useful as reference book.

The label of presentation is kept simple and illustrative so that even an average reader can grasp the subject matter with quite ease. Practically this book will provide you everything you need on the subject of Computer Oriented Numerical Methods.

Salient Features:

- * Provides a Comprehensive coverage of the subject
- * Emphasis is laid to ensure the conceptual understanding of different numerical methods.
- * Formulae for different numerical methods have been derived in the simplest manner.
- * Algorithms for these methods are developed using pseudo Language.
- * Large number of programming exercises to test your programming skills acquired.
- * Majority of the algorithms are implemented in C, C++ and Python languages.

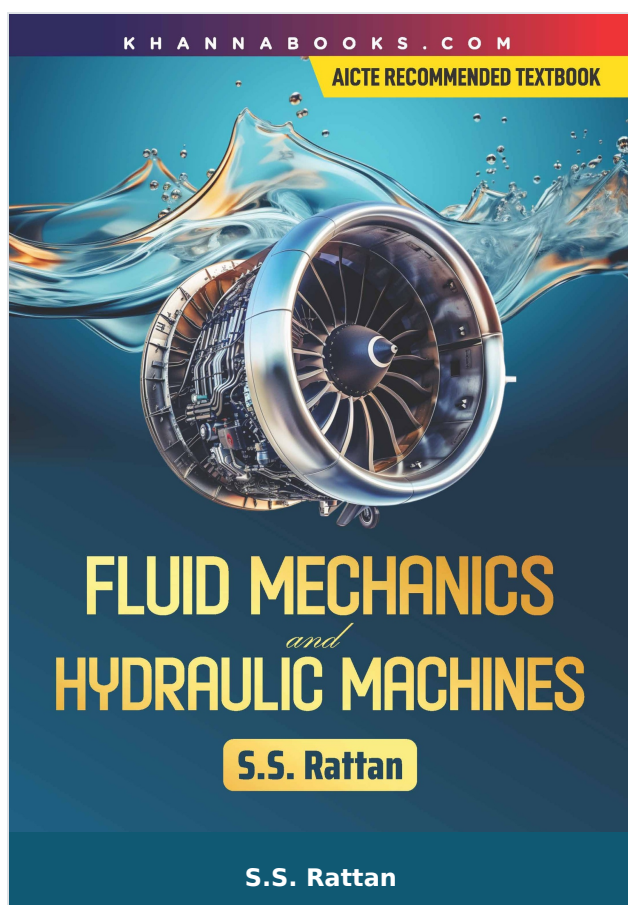
Table Of Contents

- Preamble.
- Data Presentation And Computer Arithmetic.
- Solution of Non-Linear Equation.
- Matrices And Determinations.
- Solution Of System Of Linear Equations.
- Interpolation & Approximation.
- Curve Fitting And Method Of Least Squares.
- Numerical Differentiation.
- Numerical Integration.
- Solution Of Ordinary Differential Equations.
- Appendices
- Appendix A:
 - Listing of C Programs.
- Appendix B:
 - Listing of C++ Programs.
- Appendix C:
 - Listing of Python Programs.
- Appendix D:
 - Proficiency Test.
- Appendix E:
 - Numerical and Statistical Software Libraries.
- Index.

Author

R.S. Salaria

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>



Fluid Mechanics and Hydraulic Machines

Author :	S.S. Rattan
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ISBN 10 :	8187522461
E-ISBN 13 :	978-81-87522-46-1
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Pages :	752
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Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

Written in an innovative style, this book in SI system of units is a complete treatise on fluid mechanics and hydraulic machines. It presents the subject matter in an explicit, lucid and comprehensive manner. Simple mathematical models have been used to describe the intricate physical concepts.

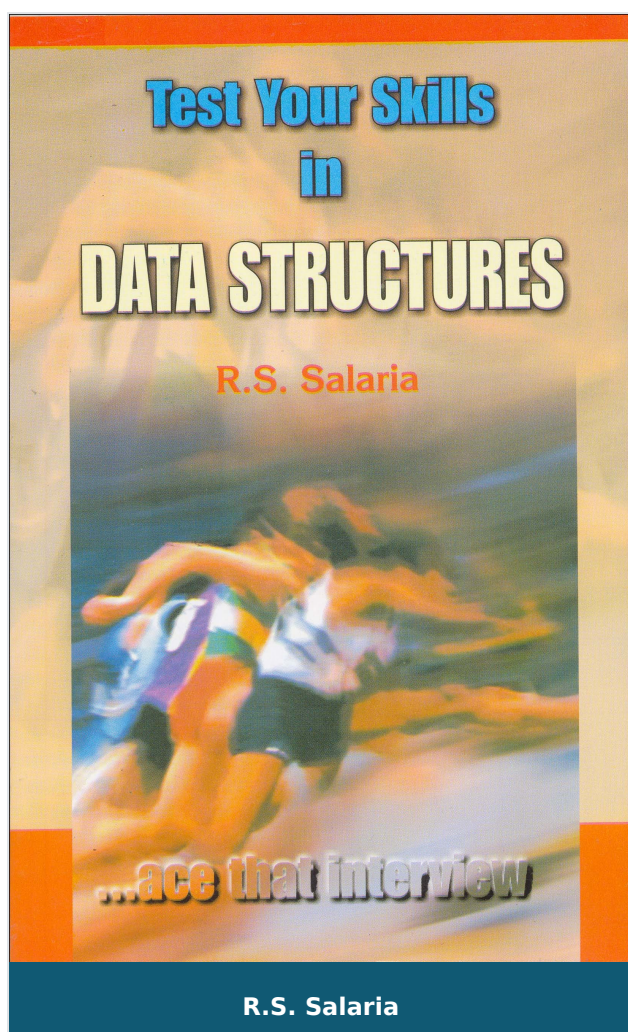
Table Of Contents

- Fluid Pressure
- Submerged Surfaces
- Buoyancy
- Fluid Kinematics
- Fluid Dynamics
- Orifices and Mouthpieces
- Notches and Weirs
- Dimensional Analysis
- Viscous flow
- Turbulent Flow
- Pipe Flow
- Flow in Open Channels
- Boundary Layer Theory
- Immersed Bodies
- Compressible Flow
- Impact of Jets
- Hydraulic Turbines
- Hydraulic Pumps
- Miscellaneous Fluid Machines

Author

S.S. Rattan

Dr. S.S. Rattan is currently Assistant Professor in the Department of Mechanical Engineering at the Regional Engineering College, Kurukshetra. He did his post graduation in Mechanical Engineering from Punjab Engineering College, Chandigarh in 1981. Since then he has been engaged in teaching and researching. He obtained his Ph.D. degree from Kurukshetra University in 1995 in the field of Tribology. He has authored several papers which have been published in national and international journals. He is also the author of two other books-Theory of Machines and Fluid machines. He is a member of Society of Fluid Mechanics and Fluid Power India.



Test Your Skills in Data Structures

Author :	R.S. Salaria
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ISBN 10 :	818732547X
E-ISBN 13 :	978-81-87325-47-5
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Pages :	268
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Year :	2016
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 150.00
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Condition Type :	New
Country Origin :	India

Product Description

Data Structures is one of the important subjects in computer science. Understanding of various data structures and the choice of an appropriate data structure is very crucial for the success of any software. All IT companies want that students must be very good in conceptual as well as practical knowledge of Data structures. This book gives an ample opportunity to you to test/ evaluate your skills in Data structures. Plenty of multiple choice type questions. Plenty of true false type questions. Plenty of fill-in the blanks type questions. Plenty of short answer type questions.

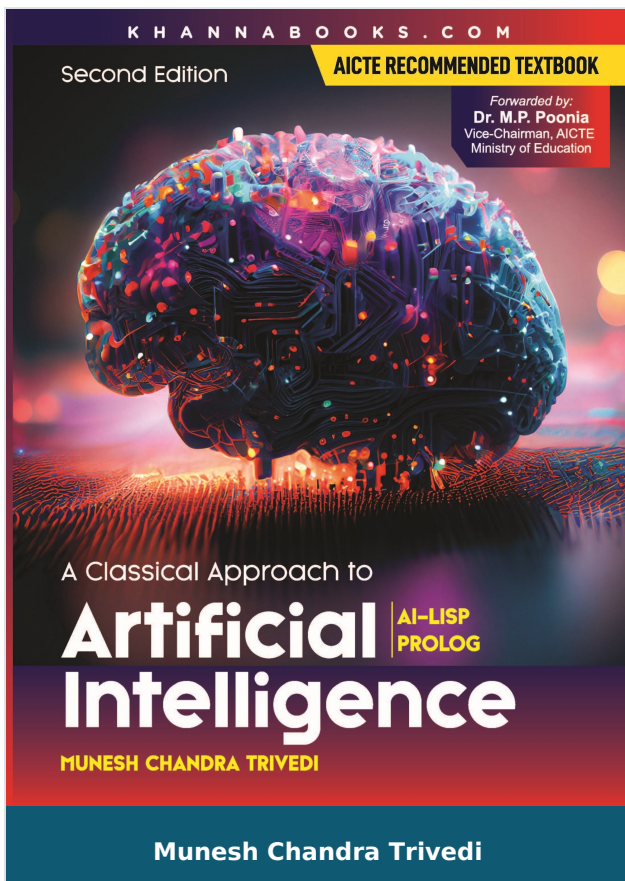
Table Of Contents

- Some Useful Tips
- Multiple Choice Type Questions
- True-False Type Questions
- Fill in the Blanks Type Questions
- Short Answer Type Questions
- Glossary

Author

R.S. Salaria

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>



A Classical Approach to Artificial Intelligence | AICTE Recommended Textbook

Author :	Munesh Chandra Trivedi
ISBN 13 :	978-81-90698-89-4
ISBN 10 :	8190698893
E-ISBN 13 :	978-81-90698-89-4
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Categories :	UNIVERSITY RECOMMENDED, Computer Science Engineerings, Emerging Technologies, Book Store, Best Sellers
Condition Type :	New
Country Origin :	India

Product Description

There are many books available in the market on the proposed topic but none of them can be termed as comprehensive. Besides, students face many problems in understanding the language of this books. Keeping these points in mind, Artificial Intelligence was prepared, which should be simple enough to comprehend and comprehensive enough to encompass all the topics of different institutions and universities.

Table Of Contents

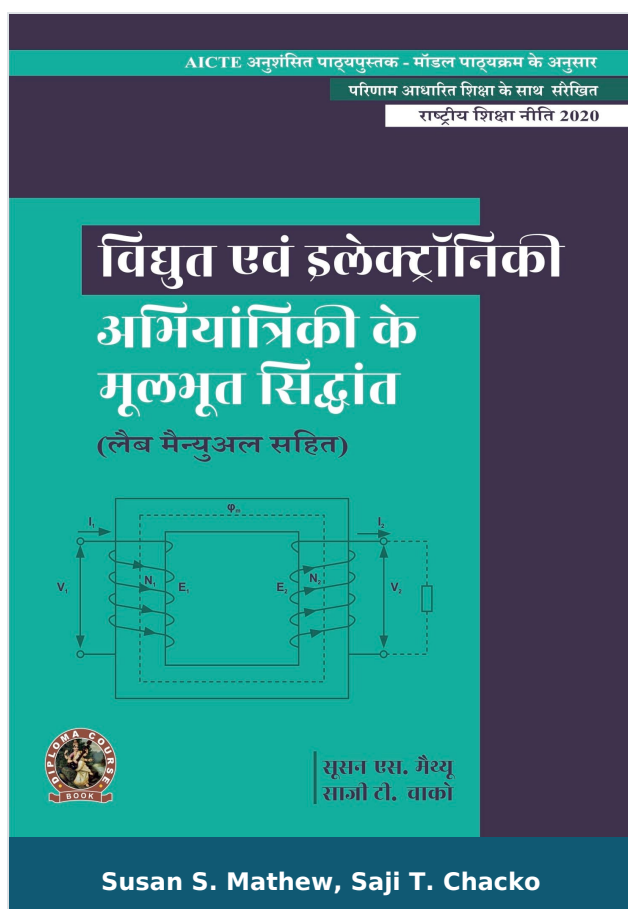
- Overview of Artificial Intelligence
- Problem Solving and Search
- Search Methods
- Problem Solving in Games (Adversarial Search)
- Understanding Natural Languages
- Knowledge Representation
- Techniques of Knowledge Representation
- Expert System
- Pattern Recognition
- Computer Vision
- Computer Vision Representations
- Common Sense
- Programming Languages

Author

Munesh Chandra Trivedi

Dr. Munesh Chandra Trivedi has more than 20 years of experience in the field of computer science & Engineering and has worked in Prestigious Institutions. He has more than 10 years' experience in various administrative responsibilities e.g., Dean (academics), Head of Department, TEQIP-111 Coordinator, PG coordinator, EDC cell Coordinator. Currently working Tripura, India, and Associate Professor and HoD (IT), Rajkiya Engineering College, Azamgarh, up (state Govt Institution of UP) with the additional responsibility of Dean Academics of the institute & Associate Dean UG Programs, Dr. APJ Abdul Kalam Technical University, Lucknow (State Technical

University). He was also the Director (In-charge) at Rajkiya Engineering College, Azamgarh. He had successfully filed 81 patents (65 National and 16 International Patents (Germany, South Africa, and Australia)), out of which 40 patents were granted. He has published 12 textbooks and 168 research papers in different International Journals and proceedings of repute. He has also edited 38 books for Springer Nature. He successfully supervised 14 PhD students and received numerous awards, including the Young scientist Visiting Fellowship, Albert Einstein Research scientist Award, Best senior Faculty Award, Outstanding Scientist, Dronacharya Award, Author of the Year, and Vigyan Ratan award from different national, as well as international forums. He has organized more than 32 international conferences technically sponsored by IEEE, ACM, AND Springer. Dr.



Fundamentals of Electrical and Electronics Engineering (with Lab Manual)

Author :	Susan S. Mathew, Saji T. Chacko
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Publisher :	Khanna Publishing House
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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.
8. 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

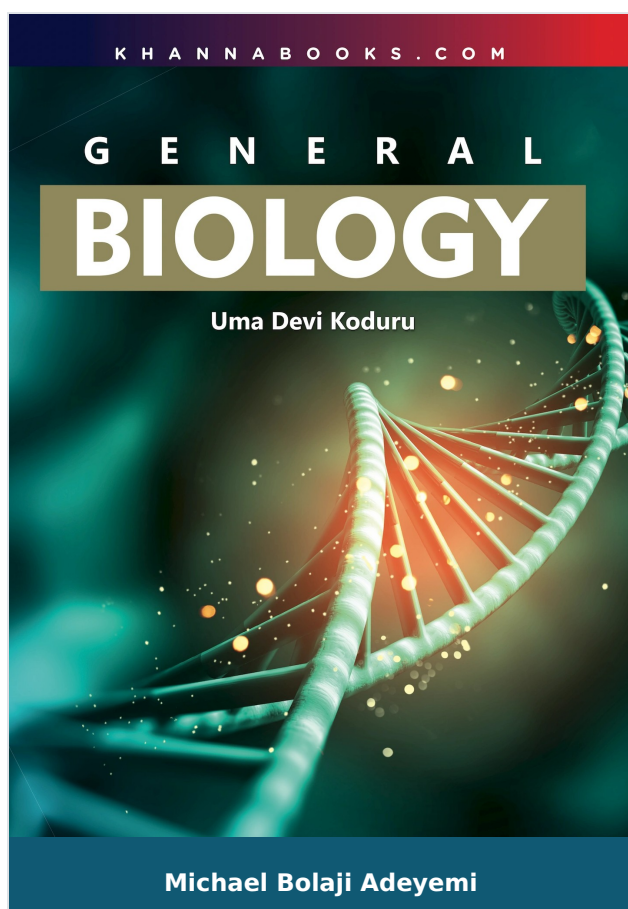
Author

Susan S. Mathew

Susan S. Mathew

Saji T. Chacko

Saji T. Chacko </p>



General Biology

Author :	Michael Bolaji Adeyemi
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Edition :	First
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Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 525.00
Categories :	Book Store, APPLIED SCIENCES & HUMANITIES
Condition Type :	New
Country Origin :	India

Product Description

- Covers in toto the syllabus prescribed by AICTE and APSHE for the General Biology Course.
- Service as a textbook to guide the instructor.
- Suitable for self -study with explanatory stand-alone illustrations.
- Encompasses the entire breadth of topics in Biology.
- An Essential for students pursuing a basis course in Biology.
- Presents the topics in a style that can be comprehended by students from non-biology background.

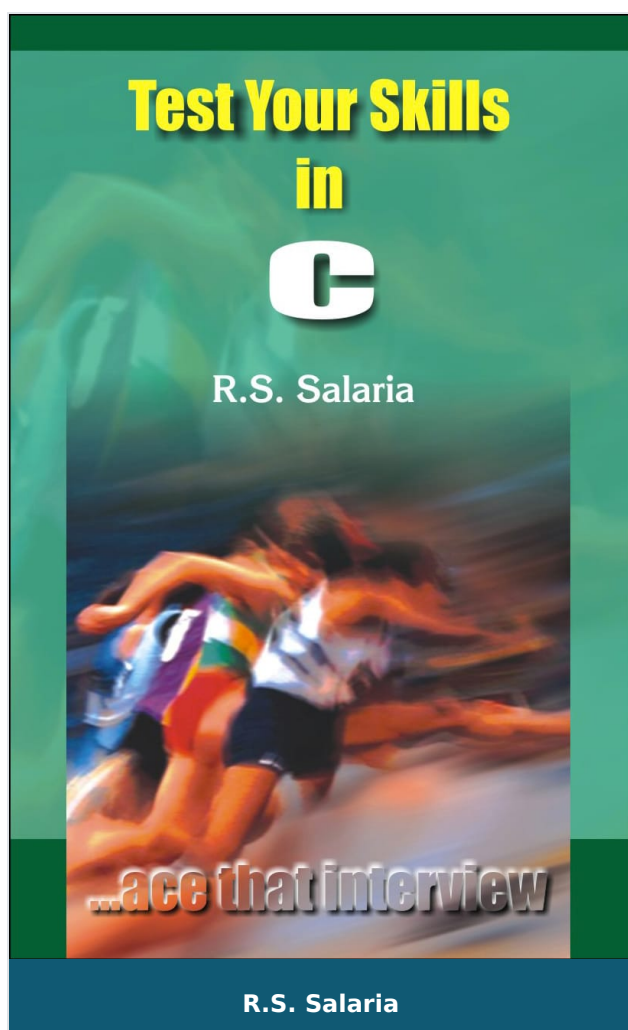
Table Of Contents

- Biology-An Exciting Science; Biomimicry
- Classification and Model Organisms
- Genetics
- Biomolecules
- Enzymes Information transfer in Living Organisms
- Protein Structure and Function
- Laws of Thermodynamics at Play in Metabolism
- Microbiology
- Biotechnology

Author

Michael Bolaji Adeyemi

Michael Bolaji Adeyemi



Test Your Skills in C

Author :	R.S. Salaria
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M.R.P :	Rs 125.00
Categories :	OBJECTIVE TYPE BOOKS, Book Store
Condition Type :	New
Country Origin :	India

Product Description

Since its inception, C has gained wide acceptance in industry and continues to enjoy the same. Even the modern languages, such as C++/java/C#, have been influenced by the success of C language. Therefore, If you are proficient in C language, it takes little time to graduate to languages. All IT companies want that students must be very good in conceptual knowledge of C language. This book gives an ample opportunity to you to test/ evaluate your skills in C. Plenty of multiple choice type questions. Plenty of true false type questions. Plenty of fill-in the blanks type questions. Plenty of short answer type questions.

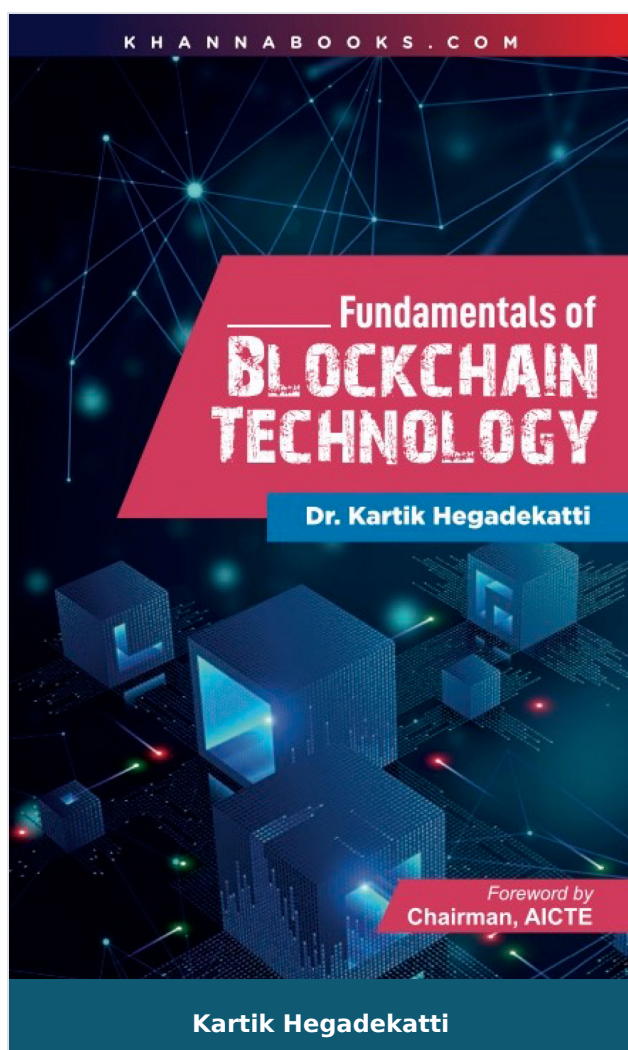
Table Of Contents

- Some Useful Tips
- Multiple Choice Type questions
- True-false type questions
- Fill-In The Blanks Type Questions
- Short answer type questions

Author

R.S. Salaria

Prof. R.S. Salaria is a superior teacher, a prolific author and a great motivator. He is an alumnus of IIT, Delhi. He is a Certified Software Quality professional by Ministry of Information Technology, Govt. of India: Sun Certified Programmer as well as Sun Certified Trainer by SUN Microsystems. He is a life member of computer society of India, Mumbai: Institution of Electronics and Telecommunication Engineers, New Delhi: Indian Society for Technical Education, New Delhi: Punjab Academy of Sciences, Patiala. Presently, he is talking initiatives to Sensitize the citizens of this great country about their fundamental responsibilities towards society and seeking their contributions to make the society a wonderful place for happy and peaceful living. </p>



Fundamentals of Blockchain Technology

Author : Kartik Hegadekatti

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Categories : [New Arrivals, Emerging Technologies, Book Store](#)

Condition Type : New

Country Origin : India

Product Description

'BLOCKCHAIN TECHNOLOGY' heralds a new social potential and is a disruptive innovation. Discovered as a basis for the cryptocurrency record keeping system, Blockchains are now used as reliable data storage systems universally.

Blockchain is a tamper-proof, distributed, and decentralized system that can validate and record digital transactions. It is transparent, safe and protects the data integrity.

This fantastic technology is used in multiple fields like energy, education, healthcare, finance, voting, land records, intellectual property rights and lot more.

This book is about the Fundamentals of Blockchain technology, written by Dr. Kartik Hegadekatti, a senior Civil Servant in Government of India. He has worked extensively on Blockchains and is an authority on it. He has published more than 30 papers internationally and written various books on Blockchains and fintech.

Table Of Contents

- Introduction to the Concepts of Money
- An Overview of Blockchain Technology
- The Basics of Blockchain Technology
- Blockchain Technology Stack
- Tiers of Blockchain
- Types of Blockchain
- Types of Consensus Algorithms
- The Bitcoin Blockchain
- The Ethereum Blockchain
- Blockchain Use Cases
- Further Reading
- Question Bank.
- Answer Key
- Glossary

Author

Kartik Hegadekatti

Anshul Kaushik is a consultant with over 15 years experience on network security domain. He has worked on various domains in information technology industry throughout his career. An alumni of BITS Pilani he is actively involved in new innovations and research programs. Currently he is working on the power sector's Smart platform. He is also a certified instructor from Indira Gandhi National Open University and teaches computer security weekends for the university.