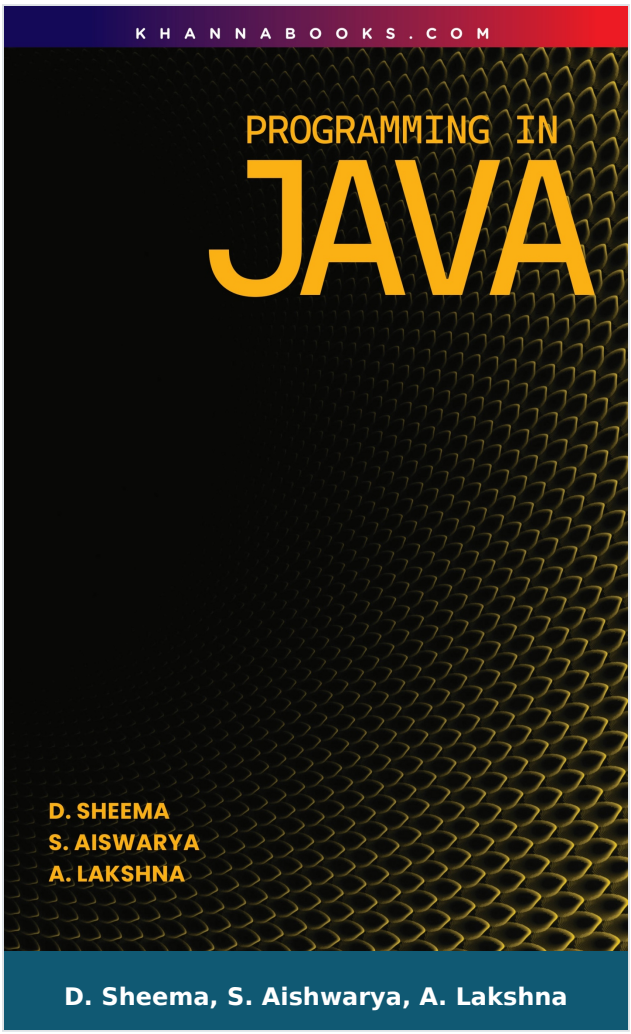


# Programming in Java

| | |
|---|---|
| **Author :** | D. Sheema, S. Aishwarya, A. Lakshna |
| **ISBN 13 :** | 978-93-55389-12-1 |
| **ISBN 10 :** | 9355389124 |
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| **Year :** | 2026 |
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| **Publisher :** | Khanna Publishing House |
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| **Categories :** | Computer Science Engineering, New Arrivals, Book Store, Sathyabama Series |
| **Condition Type :** | New |
| **Country Origin :** | India |

## Product Description

This book is your complete resource for learning Programming in Java. Designed for both students and aspiring developers, it offers a robust and comprehensive path to mastering the Java language. You will start by building a strong foundation in Java basics, including the concepts of the Java Virtual Machine (JVM) and bytecode that enable its famous platform independence. The book then systematically covers the core principles of Object-Oriented Programming (OOP), such as inheritance, polymorphism, and encapsulation. By progressing to advanced topics like exception handling, I/O programming, Collections, and database connectivity (JDBC), you will gain the skills necessary to develop secure, high-performance applications.

Salient Features:

• Foundation to Advanced: Provides a clear, step-by-step learning curve, covering all topics from Java basics, data types, and tokens to enterprise technologies like JDBC, Servlets, and JSP.

• Write Once, Run Anywhere: Detailed explanation of the Java Virtual Machine (JVM) and Bytecode, highlighting the language's key feature of platform independence (WORA).

• Object-Oriented Mastery: In-depth coverage of OOP concepts including Classes, Objects, Inheritance, Method Overloading, and Method Overriding, with clear code examples.

• Focus on Robustness and Security: Emphasis on Java's built-in features for early error checking, runtime safety, and security mechanisms to protect applications.

• Practical Learning: Includes real-world examples and step-by-step instructions for setting up the Java Development Kit (JDK) and compiling and running your first programs.

• Key Programming Constructs: Thorough discussions on essential structures like Java Tokens, Access Modifiers, Operators, Control Flow Statements, and Exception Handling for writing efficient code.

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## Table Of Contents


- Java Basics
- Object Oriented Programming
- Packages, Interfaces and Threads
- File Streams and Collections Framework
- GUI Programming, Database Connectivity, Server-Side Programming


## Author


**D. Sheema**

Sheema D. Aiswarya S. A. Lakshna

**S. Aishwarya**

Sheema D. Aiswarya S. A. Lakshna

**A. Lakshna**

A. Lakshna



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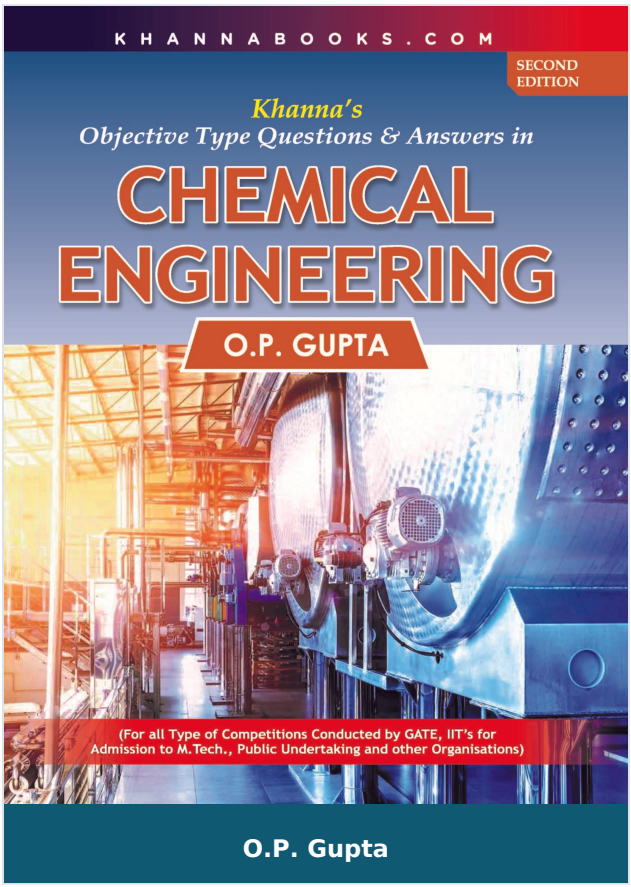


# Khanna's Objective Type Questions & Answers in Chemical Engineering

| | |
|---|---|
| **Author :** | O.P. Gupta |
| **ISBN 13 :** | 978-81-95123-19-3 |
| **ISBN 10 :** | 8195123198 |
| **E-ISBN 13 :** | 978-81-95123-19-3 |
| **Edition :** | Second |
| **Pages :** | 396 |
| **Type of book :** | Physical |
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| **Condition Type :** | New |
| **Country Origin :** | India |

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## Product Description

This book is meant for diploma students of chemical engineering and petroleum engineering both for their academic program as well as for competitive examinations. This book contains 18 chapters covering title entire syllabus of diploma course in chemical engineering and petrochemical engineering.

This book is its present form has been designed to serve as an encyclopedia of chemical engineering so as to be ready reckoner apart from being useful for all types or written tests and interviews faced by chemical engineering and petrochemical engineering are same as that of chemical engineering diploma students. So, this book will be-equally useful for diploma in petrochemical engineering students.

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- Process Equipment Design
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- Environmental Engineering
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- Petrochemical Questions
- Miscellaneous Questions
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- Gate 2021

## 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 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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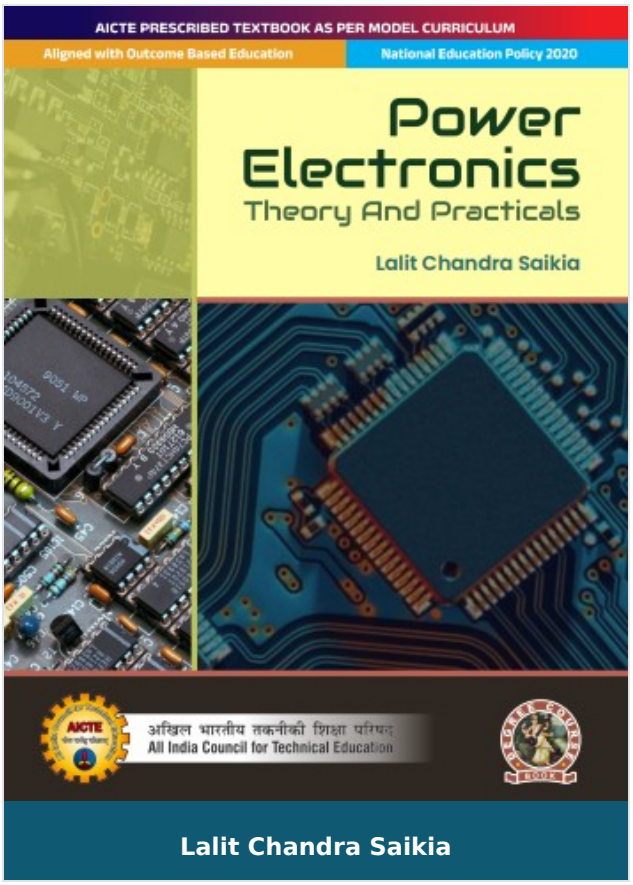


# Power Electronics: Theory and Practicals

| | |
|---|---|
| **Author :** | Lalit Chandra Saikia |
| **ISBN 13 :** | 978-93-55385-95-6 |
| **ISBN 10 :** | 9355385951 |
| **E-ISBN 13 :** | 978-93-55385-95-6 |
| **Edition :** | First |
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| **Language :** | English |
| **Publisher :** | Khanna Publishing House |
| **M.R.P :** | Rs 598.00 |
| **Categories :** | AICTE Prescribed Textbooks, English Books, Book Store |
| **Condition Type :** | New |
| **Country Origin :** | India |

## Product Description

**Power Electronics: Theory and Practicals**

This book serves as an essential resource for students and professionals in Electrical Engineering. Starting with the basics of semiconductor technology, the book gradually introduces the basics of power electronics covering construction, principle of operations, various characteristics of power transistors and thyristors, SCR turned-on and turned-off methods, and industrial control circuits using power electronics. All are grouped in separate units. The subject matters are presented constructively so that an electrical engineering degree prepares students to work in different sectors at the very forefront of technology. Laboratory experiments on the basics of power electronics as recommended by AICTE are included in the units.

**Salient Features:**

- Detailed alignment of content with Course Outcomes, Program Outcomes, and specific Unit Outcomes.
- The contents of each Unit are as per the syllabus of second-year undergraduate.
- The book is enriched with up-to-date information, important facts, and QR codes linking to valuable E-resources.
- A balance of student and teacher-centric materials, presented in an orderly chronological format.
- The book is enriched with numerous solved problems in every unit for proper understanding of the related topics.
- Laboratory experiments on the basics of power electronics are presented at the end of each Unit.
- Extensive use of figures and tables enhances understanding of the topics and the concept.

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- The ‘Know more’ section in each unit encourages exploration beyond the standard syllabus.
- A variety of exercises including short questions, objective-type questions, and numerical problems, are provided at the end of each chapter.

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- Acknowledgement
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- Phase controlled rectifiers
- Industrial control circuits
- Appendices
- References for further learning
- Dynamic QR codes for further reading
- CO and PO attainment table
- Index


## Author

**Lalit Chandra Saikia**

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Dr. Lalit Chandra Saikia Associate Professor National Institute of Technology Silchar, Assam Dr.

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**T. G. Sitharam, Yogi Kochhar, Jasleen Ahluwalia**

# AIMagineering

| | |
|---|---|
| **Author :** | T. G. Sitharam, Yogi Kochhar, Jasleen Ahluwalia |
| **ISBN 13 :** | 978-93-74541-64-7 |
| **ISBN 10 :** | 9374541645 |
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| **Condition Type :** | New |
| **Country Origin :** | India |

## Product Description

**AIMAGINEERING**

**The Art and Science of Imagineering**

“The world expands in direct proportion to the depth of our imagination.” — Inspired by Einstein (and lovingly upgraded by AI).

Cue the lights. Enter Amitabh Bachchan or Keanu Reeves; having coffee with Imagineering. Somewhere between the first sip and a cosmic spark, the future is born.

Now picture this: an 8th grader builds an AI that catches crimes before they happen, grows better crops, trades smarter than Wall Street, tracks climate credits, and designs your perfect study plan from a tablet smaller than their lunchbox.

Welcome to Imagineering, where science flirts with art and curiosity turns into code. Here Computer Vision, Spatial AI, Interaction AI, and Metaverse AI don’t just sound cool, they build the world you’ve only dreamed of.

Each chapter is a fast-paced story: part thriller, part classroom comedy, where students, celebrities, and robots team up to fix everything from traffic jams to fashion disasters.

Give a kid data, imagination, and a mentor and they’ll outbuild your future plans before you can say “upload complete.”

The future isn’t coming. They’re already coding it.

**Prof. T G Sithoram**

The civil engineer monk who conjures and speaks to blueprints and carves temples out of menhirs; he doesn’t just build foundations, he thinks them into existence.

**Jas Ahluwalia**

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A spark in sneakers; she turns chaos into projects faster than AI can say “let me process that.” Her laughter might just be the next renewable energy source.

**Yogi Kochhar**

The monk with a motherboard; he meditates on algorithms and dreams in metaphors, proving imagination isn’t a luxury, it’s an upgrade to consciousness.

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- About the Authors
- Kick off Chronicles
- Disclaimer and Note of Gratitude
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- AI Teaching & Learning
- AI & Edu. Evolution
- AI & Energy, Telecom, Aviation, Agri
- AI & Mfg, Retail, Advt, Supply Chains, Stocks
- AI & Logistics & Insurance
- Immortality, Nanobots, Space, Quantum & Blockchains
- AI & Tourism, Conservation & Adventure
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- AR & VR
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- AI & Pilgrimage

## Author

**T. G. Sitharam**

T. G. Sitharam is a civil engineer, professor at IISc Bangalore, former director at IIT Guwahati. Currently, he is serving as Chairman of the All India Council for Technical Education, (AICTE) from 1 December 2002 onwards. He is known for his works in the fields of rock mechanics, rock engineering geotechnical earthquake engineering. He is an elected fellow of Indian Geotechnical Society, Institution of Engineers (India) and American Society of Civil Engineers.

**Yogi Kochhar**

Yogi Kochhar : - Yogi, an AI FUTURIST, works across sectors in US, UK and India to operationalize AI adoption at scale: his ability to simplify complex ideas and translate them into implementable constructs gives this book its unique clarity and force. Author, Poet Golfer, Trekker. Their collaboration results in a seminal work that charts not just what AI can do, but what it must do; strengthen institutions, empower citizens, and prepare societies for an era of profound transformation.

**Jasleen Ahluwalia**

Prof. T G Sithoram Jas Ahluwalia Yogi Kochhar

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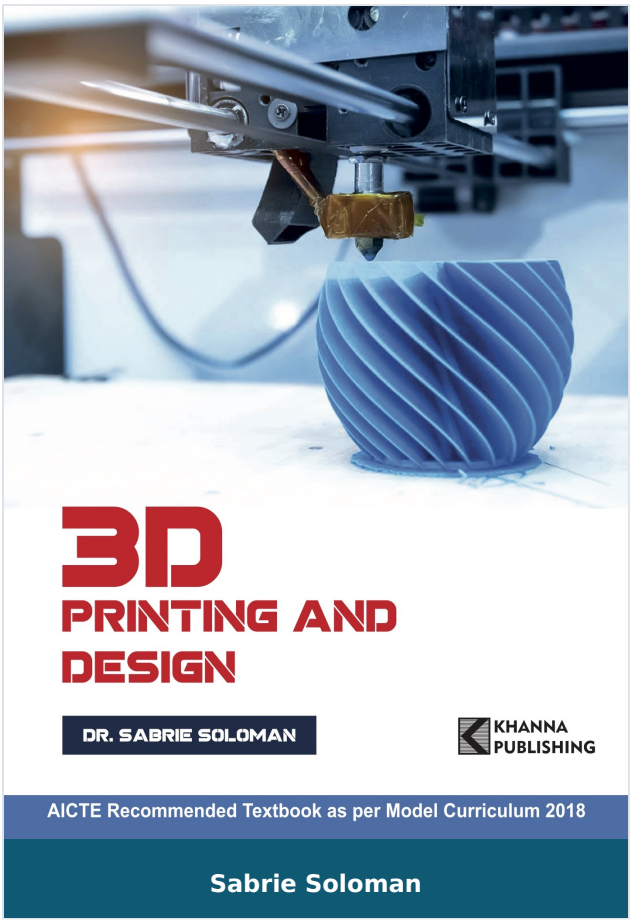


# 3D Printing & Design

| | |
|---|---|
| **Author :** | Sabrie Soloman |
| **ISBN 13 :** | 978-93-86173-76-8 |
| **ISBN 10 :** | 938617376X |
| **E-ISBN 13 :** | 978-93-86173-76-8 |
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| **Type of book :** | Physical |
| **Year :** | 2020 |
| **Language :** | English |
| **Publisher :** | Khanna Publishing House |
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| **Condition Type :** | New |
| **Country Origin :** | India |

## Product Description

This book provides a detailed guide to various 3D printing technologies, explaining their operational principles, similarities, and differences. It offers practical insights into optimal implementation methods, making it an invaluable resource for school students, university undergraduates, and postgraduates. Readers will gain both foundational knowledge and hands-on inspiration to explore their creativity by designing and printing their own innovative models. In addition, educators and professionals will find the content highly relevant, enabling them to effectively apply and advance 3D printing technologies within their institutions or organizations.

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- Digital Manufacturing
- Digital Design for 3D Printing
- Fundamentals of Additive Manufacturing
- Design for 3D Printing
- 3D Printing Designing Through Binder Jetting
- Accelerate Design Cycles Design Verification Lowering
- Evolving 3D Printing
- 3D Printing & Design in Healthcare, Food,
- Additive Manufacturing
- The Impact of Additive Manufacturing on the Integral Economy
- References
- Appendix


## Author

**Sabrie Soloman**

Dr. Sabrie Soloman, Ph.D., Sc.D., MBA, PE - He is the Chairman & CEO of American SensoR x, In, USA; Founder of Advanced Manufacturing Post Graduate Studies at Columbia University, USA; Professor of Advanced Technology at Columbia, where he lectures on Sensors & Control Systems in Manufacturing, Affordable Automation, Computer Integrated Manufacturing (CIM), Flexible Manufacturing System (FMS), Design for Manufacturability, Introduction to Electromechanical Engineering, Modern Welding Technology, and 3D Printing/Bioprinting Technology. Dr. Soloman authored numbers of technical books published and translated worldwide: Sensors Handbook (2nd edition), Sensors and Control Systems in Manufacturing (2nd edition), Affordable Automation,

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Introduction to Electromechanical Engineering, Modern Welding Technology, to name a few. Dr. Soloman holds numerous Patents, Technical Awards, and several US Product Registrations. He is a Fellow of the Society of Manufacturing Engineers. USA. The Royal Society of Manufacturing Engineers (England), and L'Ores Des Ingenieurs Du Quebec (Canada), He received several awards from the American Society of Mechanical Engineers (ASME), the Society of Manufacturing Engineers (SME), and the American Management Association (AMA). Dr. Soloman is considered an international authority on advanced manufacturing technology, robotics, biomedical engineering, pharmaceuticals, and automation in the microelectronic, automotive, beef, pork, poultry industries. He has been and continues to be instrumental in developing and implementing several industrial and modernization programs through the United Nation to European, Asian, and African countries. He is the first to introduce and implement unmanned flexible synchronous/asynchronous manufacturing systems the microelectronic and meat industries, and the first to incorporate advanced vision technology in a wide array of robot/micro-robot manipulators. Dr. Soloman was selected to deliver the US Presidential closing address, "Innovative Remote Sensors Technologies," at the Universal Design Conference, New York, USA

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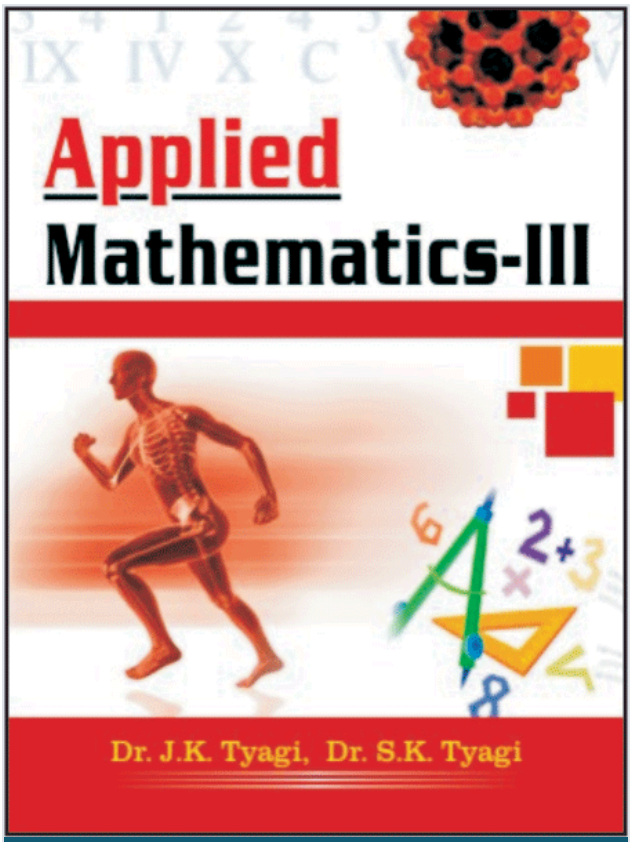


J.K. Tyagi, S.K. Tyagi

# Applied Mathematics–III

| | |
|---|---|
| **Author :** | J.K. Tyagi, S.K. Tyagi |
| **ISBN 13 :** | 978-93-80016-23-8 |
| **ISBN 10 :** | 9380016239 |
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| **Type of book :** | Physical |
| **Year :** | 2012 |
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| **Publisher :** | Khanna Publishing House |
| **M.R.P :** | Rs 210.00 |
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## Product Description

The language is very simple and easily understandable. The approach is to communicate the practical aspects of mathematics in a way that drives out the common fear of learning  any mathematical subject. A large number of solved and unsolved problems have been included. Topics are followed by figures and tables. The notations and terminology have been clearly explained wherever desirable. In each chapter, all concepts and definitions have been discussed in details with suitable examples.

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## Table Of Contents


- Partial Differently Equations
- Fourier Series
- Laplace Transformation
- Linear Programming


## Author


**J.K. Tyagi**

Dr. J.K. Tyagi is Professor and head department of Applied Science, Maharaja Agarsain Institute of Technology Ghaziabad (U.P.)

**S.K. Tyagi**

Dr. S.K. Tyagi is Senior Lecturer, Amity School of Engineering and Technology , Amity University, Noida (U.P.)



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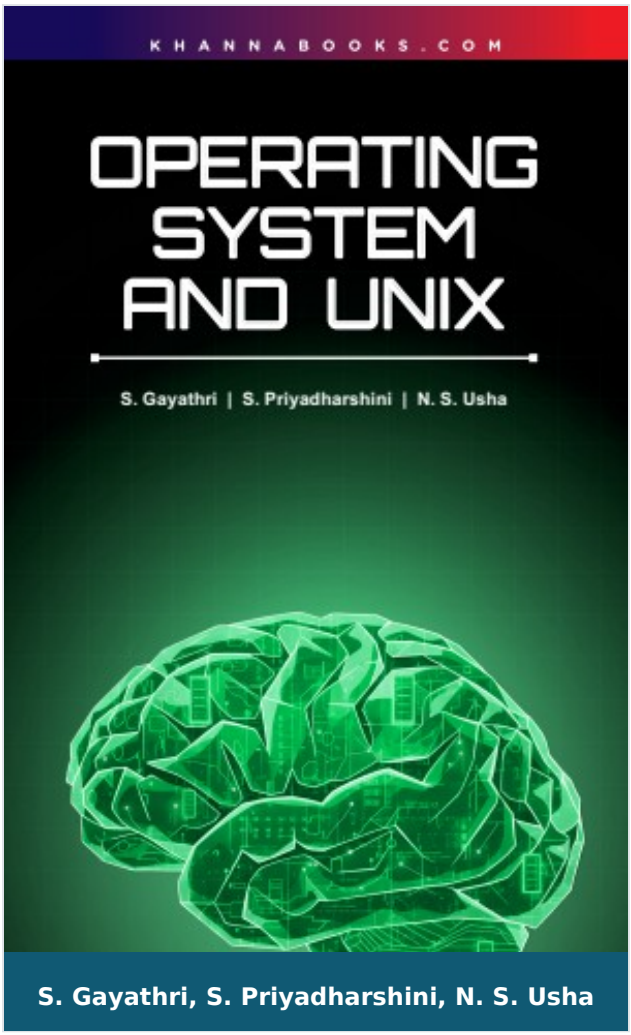


# Operating System and Unix

| | |
|---|---|
| **Author :** | S. Gayathri, S. Priyadharshini, N. S. Usha |
| **ISBN 13 :** | 978-93-55388-90-2 |
| **ISBN 10 :** | 935538890X |
| **E-ISBN 13 :** | 978-93-55388-90-2 |
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| **Pages :** | 136 |
| **Type of book :** | Physical |
| **Year :** | 2025 |
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| **Publisher :** | Khanna Publishing House |
| **M.R.P :** | Rs 198.00 |
| **Categories :** | New Arrivals, Book Store, Sathyabama Series |
| **Condition Type :** | New |
| **Country Origin :** | India |

## Product Description

**Operating System and Unix**

The Operating System (OS) is the fundamental software that manages a computer's resources, making it the core of all modern computing. This book provides a comprehensive, two-part exploration of both the theoretical principles of operating systems and the practical application of the UNIX/Linux environment.

Starting with the bedrock of OS design, the book clarifies essential concepts like Resource Management, Process Management, Memory Management, and Security. It meticulously details how the OS handles multitasking, deadlocks, and various memory allocation techniques.

The second part transitions seamlessly into hands-on skills, focusing on the powerful and enduring UNIX system. Readers will master the UNIX file system structure, essential shell commands, and the art of Shell Scripting, including arithmetic expansion and floating-point calculations using tools like bc and awk. Whether you are a student, developer, or systems administrator, this book is the definitive resource for understanding how computers work and mastering the command-line tools that power the digital world.

**Salient Features:**

- **Operating System Fundamentals**: In-depth coverage of OS Goals (Resource Management, Reliability, Performance Optimization) and the role of System Software versus Application Software.
- **Core Management Concepts**: Detailed units on Process Management (scheduling, threads, synchronization) and Memory Management (paging, segmentation, virtual memory).
- **Security and Deadlocks**: Clear explanation of system security features and mechanisms to prevent or handle deadlocks and starvation.

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- **UNIX Mastery**: Comprehensive guide to the UNIX File System, Directory Structure, and mastering crucial shell commands for effective navigation and file manipulation.
- **Shell Scripting:** Practical, step-by-step instruction on Bash Shell Scripting, including Arithmetic Operations using let and $((...)) and handling Floating-Point Arithmetic with bc and awk.
- **User Interaction**: Focus on the different ways users interact with the OS, from the command-line interface to the graphical user interface.
- **Ideal for**: Undergraduate and postgraduate students in Computer Science, and IT professionals seeking a robust understanding of both OS theory and practical UNIX command-line skills

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## Table Of Contents


- Operating SYSTEMS
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- Synchronization and DEADLOCKS
- Memory MANAGEMENT and I/O Management
- Unix


## Author


**S. Gayathri**

S. Gayathri,

**S. Priyadharshini**

S. Priyadharshini

**N. S. Usha**

N. S. Usha,



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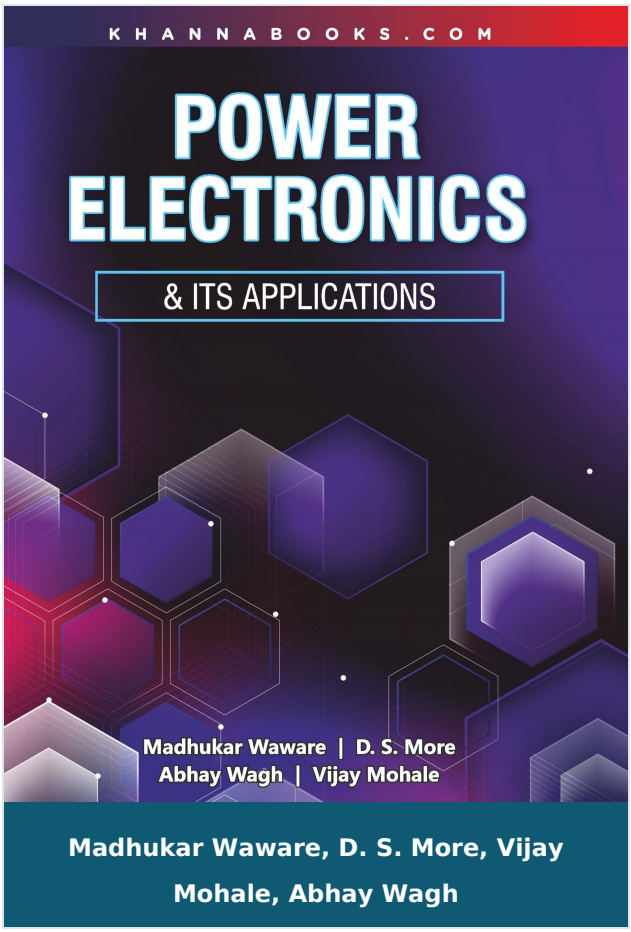


# Power Electronics & Its Applications

| | |
|---|---|
| **Author :** | Madhukar Waware, D. S. More, Vijay Mohale, Abhay Wagh |
| **ISBN 13 :** | 978-93-55380-42-5 |
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| **E-ISBN 13 :** | 978-93-55380-42-5 |
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| **Pages :** | 296 |
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## Product Description

Power electronics systems are used in a wide range of applications and have the potential to impact many areas of global industrial and social activity. From cell phones to pacemakers, and utilities to automobiles, power electronics, and the engineering behind those electronics are very influential in peoples' daily lives.

A comprehensive self-contained text book covers principles of Power Electronics and its Applications. It provides a basic approach for the development of fundamental concepts and deep insight into the subject matter. This text book develops the subject matter in a simplified sequential manner. Theoretical explanation is supported by graded solved examples and multiple-choice questions, which have been framed to help the students in grasping the theoretical principles and their applicability with coverage of various topics.

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- DC to DC Converter
- PWM Inverter
- Resonant Pulse Converter
- Power Quality
- High Power Factor Converters
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- Active Power Filter
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- Bibliography
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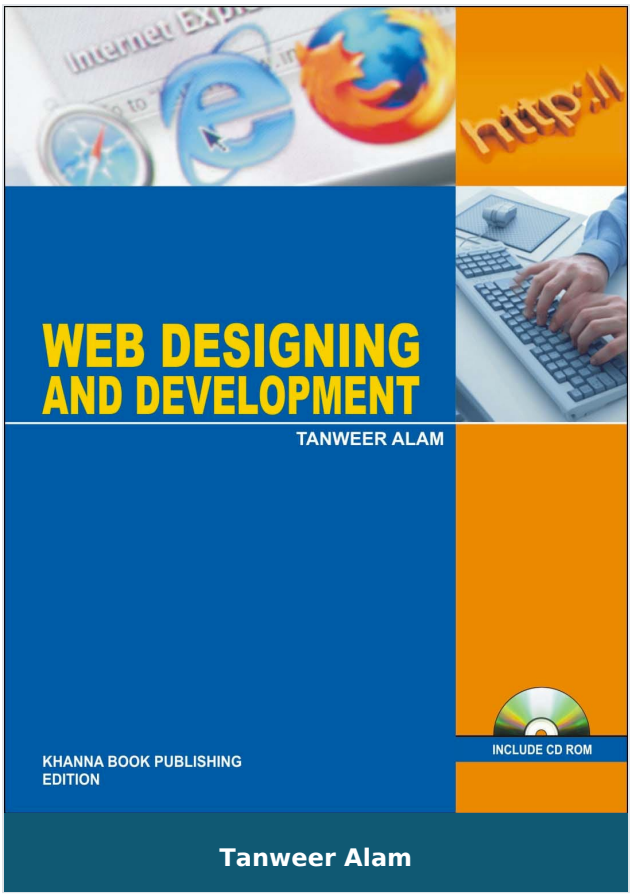


# Web Designing and Development

| | |
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| **ISBN 13 :** | 978-93-80016-87-0 |
| **ISBN 10 :** | 9380016875 |
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This book deals with the fundamental of web programming. This book will be of great help to web developers who are not already familiar with web programming. This can upgrade their skills through this book and achieve great height in the world of web programming. The objective of this book is to promote that future by spreading the use of the websites as widely as possible. It is also integral to the internet applications and other e-business solutions that that are the foundation of corporate computing. this book is divided into a number of chapters. Each chapter is a self contained area. The chapters in this book are arranged in a sequence order. The programs presented in this book are just to understand the application. The objective of this book is the serve as a textbook in various course viz. B. Tech/MCA/BCA/M.Sc., etc.

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- Java Script
- Java
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- ASP.net
- Mini Website


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Tanweer Alam has an experience of more than seven years in the Teaching field. Currently, He is working at MCA Department, Meerut Institute of Engineering and Technology, Meerut. He has got his MCA Degree in 2003 from UP Technical University, Lucknow, UP. He has got his Master Degree in Mathematics in 2000 from CCS University, Meerut, UP. He has got his MPhil Degree in Computer science in 2007 from MKU, Madurai. He is also MTech in IT and currently, He is doing PhD in Computer Science & Engineering. He presents more than thirty research papers in various reputed national/international Conferences/Journal.

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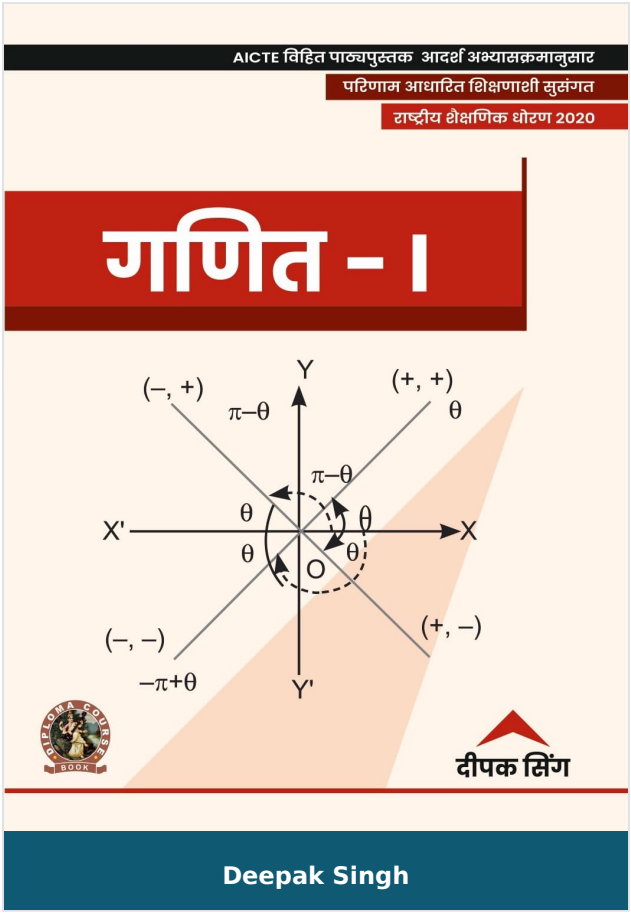


# Mathematics-I

| | |
|---|---|
| **Author :** | Deepak Singh |
| **ISBN 13 :** | 978-93-55380-45-6 |
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Book cover five Units Trigonometry, Functions and Limit, Differential Calculus, Complex numbers and partial Fraction, Permutation and Combination and Binomial Theorem. In every unit each topic is written in easy and lucid manner. A set of exercise at the end of each unit is clubbed to test the student’s comprehension.

Some salient features of the book

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

· Book provides lots of real-world applications, interesting facts, QR Code for E-resources, mini projects, curiosity topics, sample specification table etc.

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

· Figures, tables and mathematical equations are inserted to improve clarity of the topics.

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

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- Functions and Limit
- Differential Calculus
- Complex Numbers and Partial Fraction
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