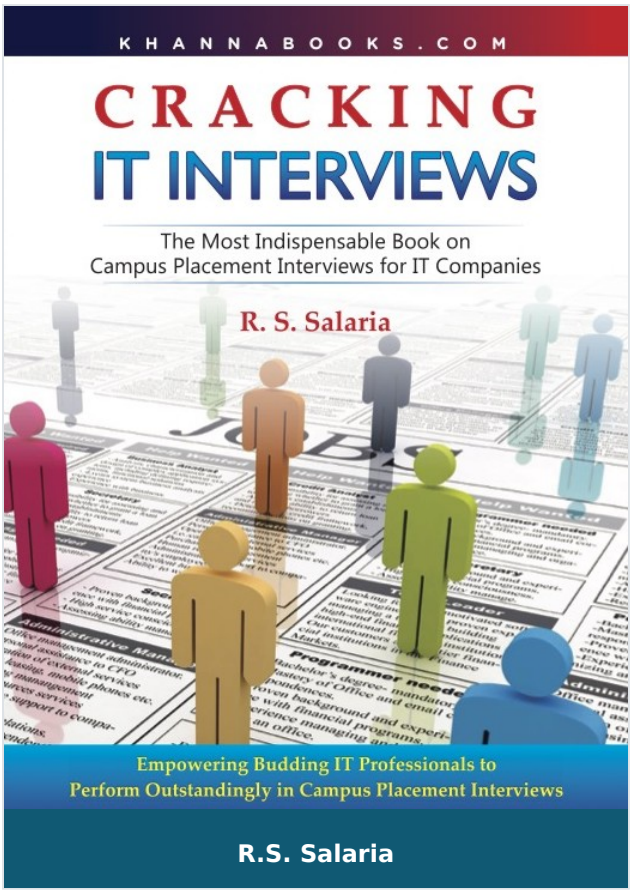

Cracking IT Interviews

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Product Description

It is a dream of every budding engineer to make it big in the corporate IT world. This book is designed to guide and empower the budding engineers to achieve their much cherished dream. Since it is the interview process where the employability of the budding engineer is judged, therefore, keeping this aspect in mind, the first chapter is designed to guide the budding engineer to the most basic aspects of the interview process, and how meticulously they should plan and prepare for the interview.

Further, majority of the IT companies don't expect that the budding engineers should be well equipped with the advanced techniques/technologies, but must have strong foundation in the basics and concepts of the concerned subjects. In addition, they should be able to demonstrate the burning desire to excel and passion to learn. keeping these aspects in mind, subsequent six chapters are designed to impart basic knowledge of the important topics through frequently asked questions in each topic.

Any budding engineer, who can master about 70-75% questions covered in the book can crack technical round of any IT company with a bang.

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- Introduction to Interview Process
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- Object-Oriented Concepts
- The C++ Language
- The Java Language

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

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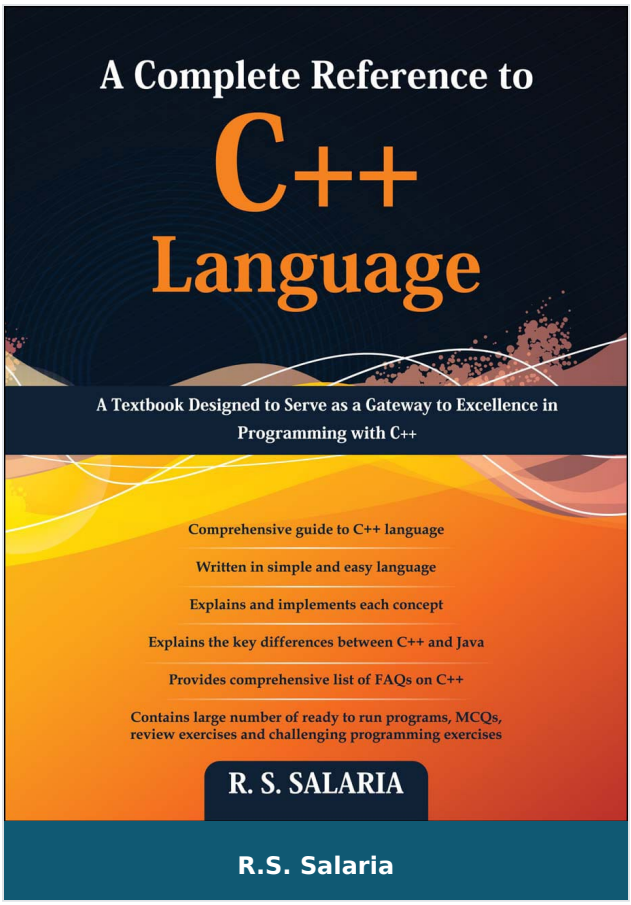

A Complete Reference to C++ Language

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Product Description

The C++ programming language is one of the popular programming languages that support object-oriented programming in addition to procedural programming. All major IT companies are using C++ language as their preferred language in implementing substantial number of projects. To fulfill the requirement of these companies, all universities/institutions offering various courses on Computer Science and Information Technology at UG as well as PG level have included C++ language in their curriculum.

This book is designed as a textbook for the students taking these courses. Throughout the book, the level 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 every thing you need on C++ language.

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- Exception Handling
- Templates and Generic Programming
- File Handling
- Left Over
- Introduction to Standard Template Library

Author

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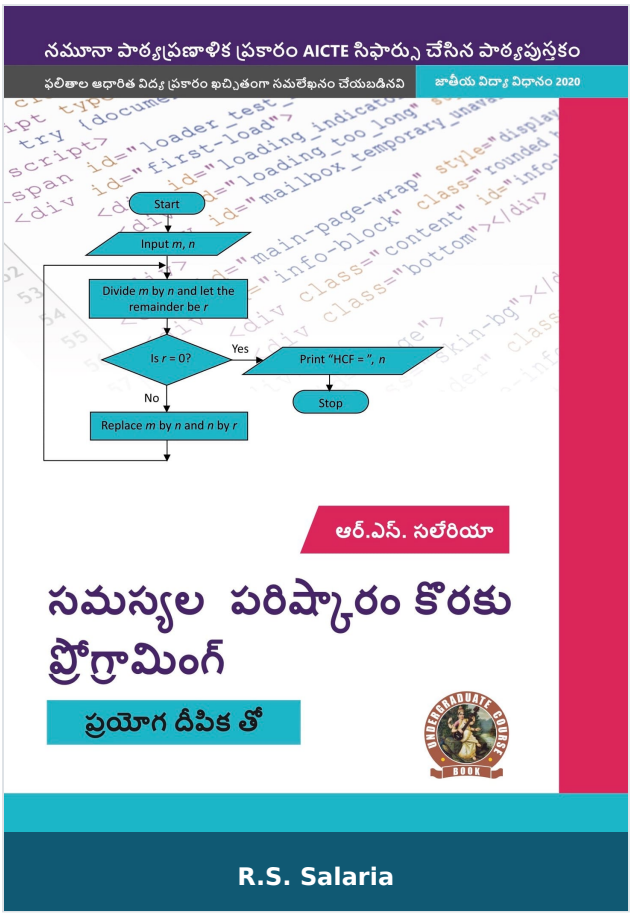

Programming for Problem Solving (with Lab Manual)

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Product Description

This textbook is designed as per the model curriculum of AICTE for the first year students of all branches of undergraduate program in Engineering & Technology (BE/B. Tech). The subject of programming for problem Solving aims at developing problem solving skills among the students and the skills to create programs in C language for their implementation. This book emphasizes to empower the students to grasp the skills required for problem solving and to develop deep understanding of the constructs of C language. These aspects of the subject are well illustrated through enormous solved programming problems.

Salient Features:

1. Simple and lucid language that enables students to grasp the subject.
2. Demonstrates the elegant programming style.
3. 165+ ready to run programs for reference and to illustrate the program development process.
4. 135+ Short answer type questions to provide an opportunity for self-assessment of the fundamental concepts learned by answering them precisely.
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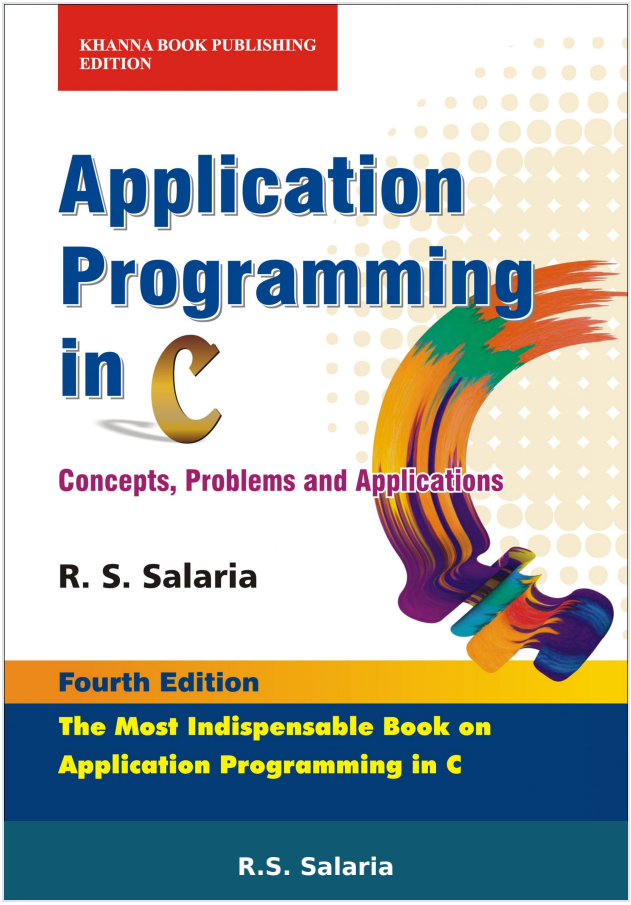

Application Programming in C

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Product Description

This book is one of the compulsory course in the curriculum of almost all universities other institutes offering undergraduate and postgraduate courses in computer science and information technology. This book is designed to serve as a textbook for the students taking these courses. the level of presentation in kept simple and illustrative so that even an average reader can grasp the subject matter with quite ease. Practically this book will provide you every this you need on the subject of programming in C.

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- Pointers & Dynamic Memory Management
- Managing Data Files
- Working With Graphics Using Turbo C
- Sorting, Searching & Merging
- Appendices
- Index

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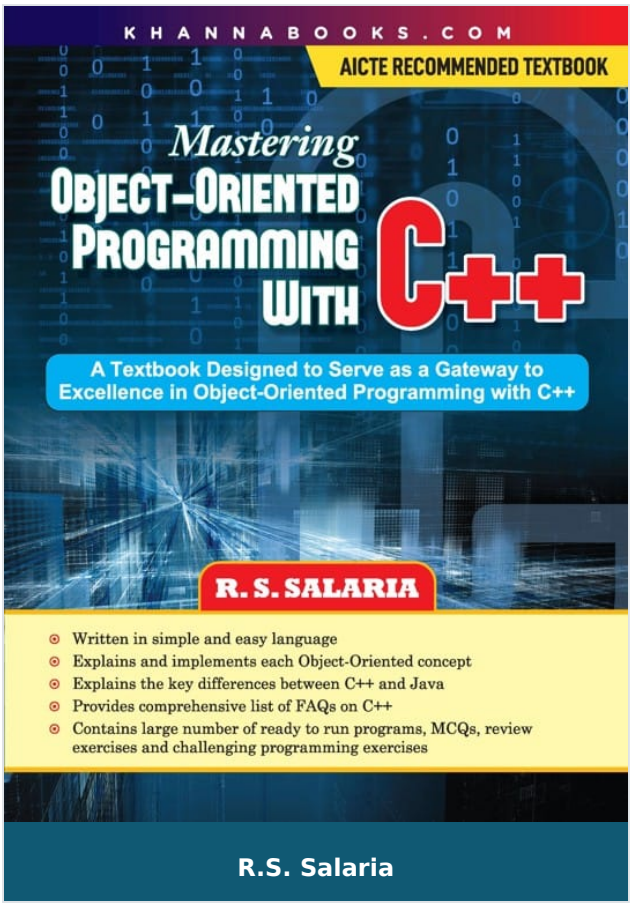

Mastering Object-Oriented Programming With C++

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- Introduction to Object-Oriented Programming
- Migrating form C to C++
- Standard Input/Output
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- Exception Handling
- Templates and Generic Programming
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- Introduction to Standard Template Library (STL)
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- Glossary
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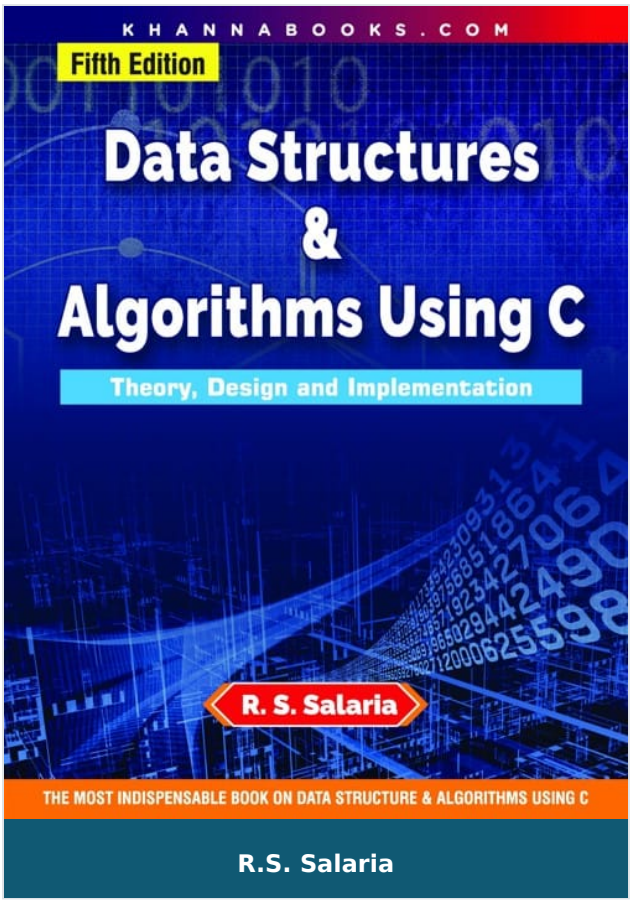

Data Structures & Algorithms using C

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Product Description

Provides a comprehensive coverage of the subject, Includes numerous illustrative examples, Demonstrate the development of algorithms in a lucid manner, Demonstrate the implementation of algorithms in a good programming style, Provides challenging programming exercise to test your knowledge gained about the subject, Glossary of terms for ready reference.

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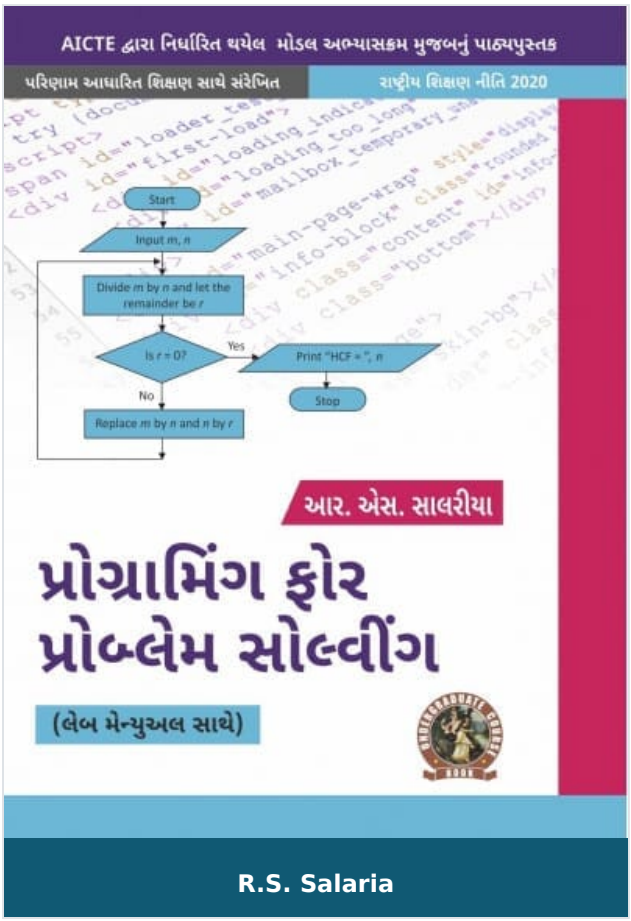

Programming for Problem Solving (with Lab Manual)

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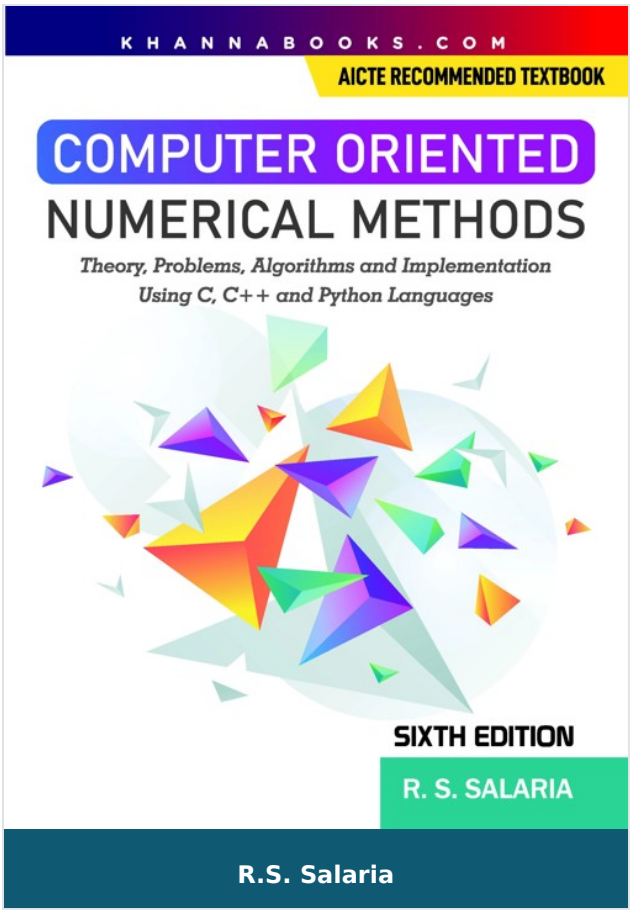

Computer Oriented Numerical methods

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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. Eve 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 as average reader can grasp the subject matter with quite ease, Practically this book will provide you every thing 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.

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- Appendix B:
- Listing of C++ Programs.
- Appendix C:
- Listing of Python Programs.
- Appendix D:
- Proficiency Test.
- Appendix E:
- Numerical and Statistical Software Libraries.
- Index.

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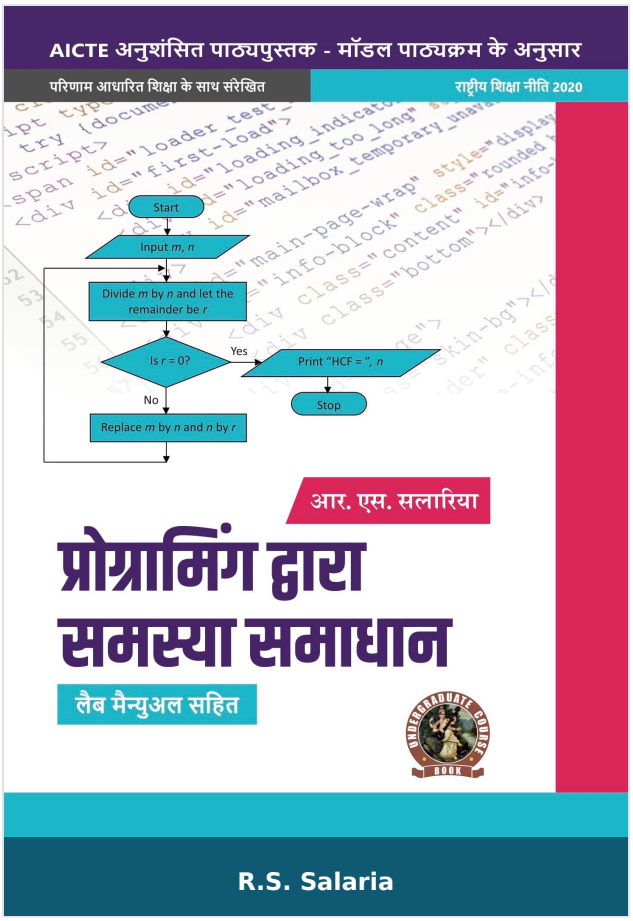

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Product Description

This textbook is designed as per the model curriculum of AICTE for the first year students of all branches of undergraduate program in Engineering & Technology (BE/B. Tech). The subject of programming for problem Solving aims at developing problem solving skills among the students and the skills to create programs in C language for their implementation. This book emphasizes to empower the students to grasp the skills required for problem solving and to develop deep understanding of the constructs of C language. These aspects of the subject are well illustrated through enormous solved programming problems.

Salient Features:

1. Simple and lucid language that enables students to grasp the subject.

2. Demonstrates the elegant programming style.

3. 165+ ready to run programs for reference and to illustrate the program development process.

4. 135+ Short answer type questions to provide an opportunity for self-assessment of the fundamental concepts learned by answering them precisely.

5. 165+ multiple choice questions to provide an opportunity to synthesize the fundamental concepts.

6. 90+ Programming problems to provide an opportunity to harness programming skills.

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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

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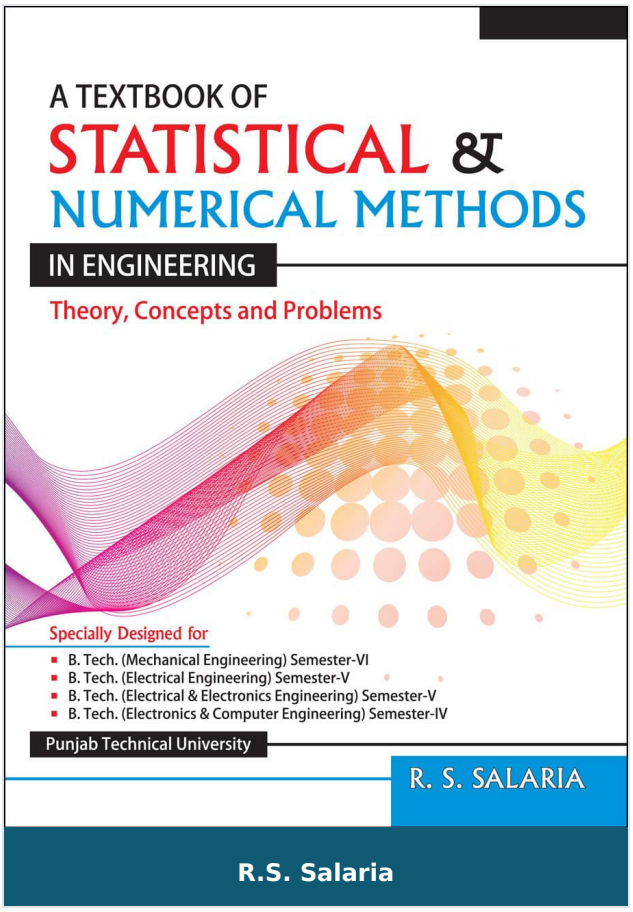

A Textbook of Statistical & Numerical Methods in Engineering

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Product Description

The subject of A Textbook of Statistical & Numerical Methods is one of the courses in the curriculum of almost all universities and other institutes offering undergraduate and postgraduate courses in Engineering and Physical Science.

The Book is designed to serve as a textbook for the students of Bachelor of Technology in Mechanical Engineering, Electrical Engineering, Electrical & Electronics Engineering and Electronics & Computer Engineering of Punjab Technical University. Even the Practicing Engineers and researchers will also find it useful as reference book.

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- Solution of Linear Systems of Equations
- Numerical Solution of Ordinary & Partial Differential Equations
- Appendix A: Listing of Selected Programs in C++
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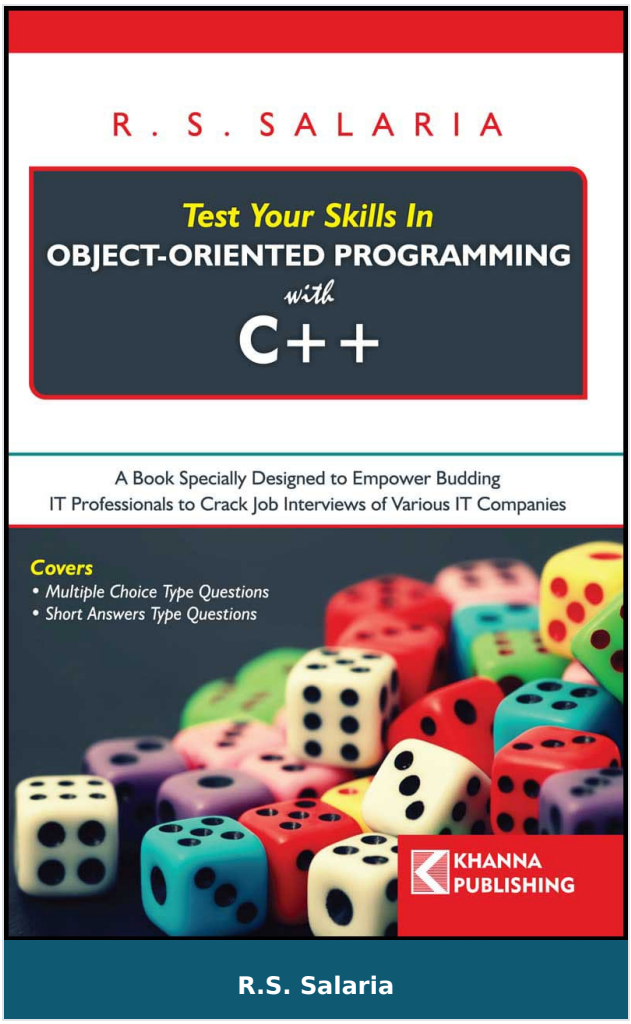

Test your skills in Object Oriented Programming with C++

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Object-Oriented Programming With C++ is one of the important subjects in disciplines of Computer Science and information Technology. Understanding of various Object-Oriented Programming Concepts and their implementation using C++ language is very crucial for development of quality software.

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- Operator Overloading and Type Conversion
- Inheritance
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- Appendix
- Glossary

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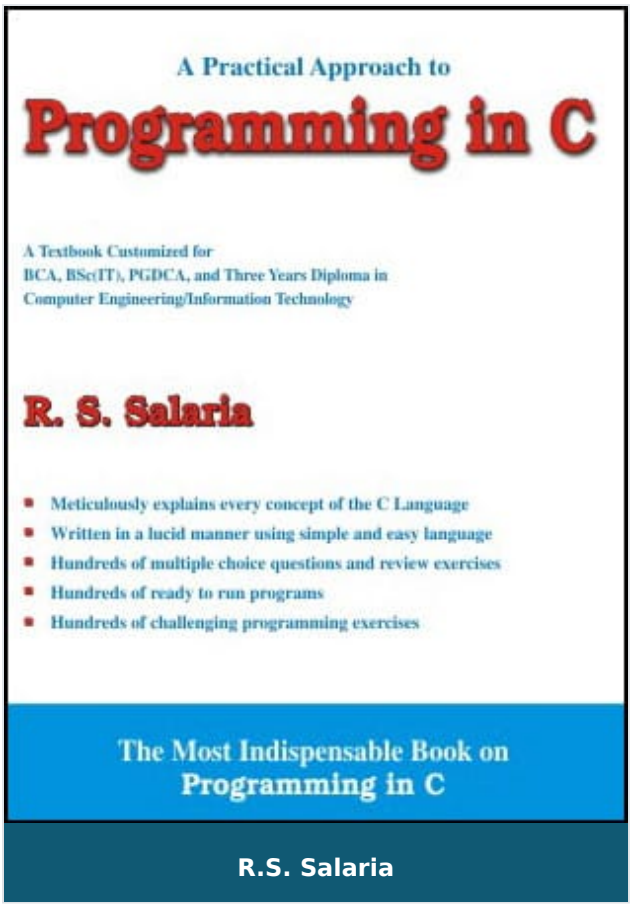

A Practical Approach to Programming in C

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Product Description

The subject of programming in C is one of the compulsory courses in the curriculum of BCA, BSc (IT), BSc (Non-Med) with Computer science as one of the elective subject, PGDCA, and Three Year polytechnic diploma in Computer Engineering as well as Information Technology of all universities and state technical boards. The book in your hand is a customized version of my popular book application programming in C to serve as a textbook for the students taking these course. The 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 every thing you need on the subject of programming in C. Provides a comprehensive coverage of the subject. Demonstrate the development of programs in a good programming style. Large number of ready to run programs for reference. Large number of multiple choice questions and review exercises to test your knowledge about the subject learned. Large number of programming exercises to test your programming skills acquired.

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