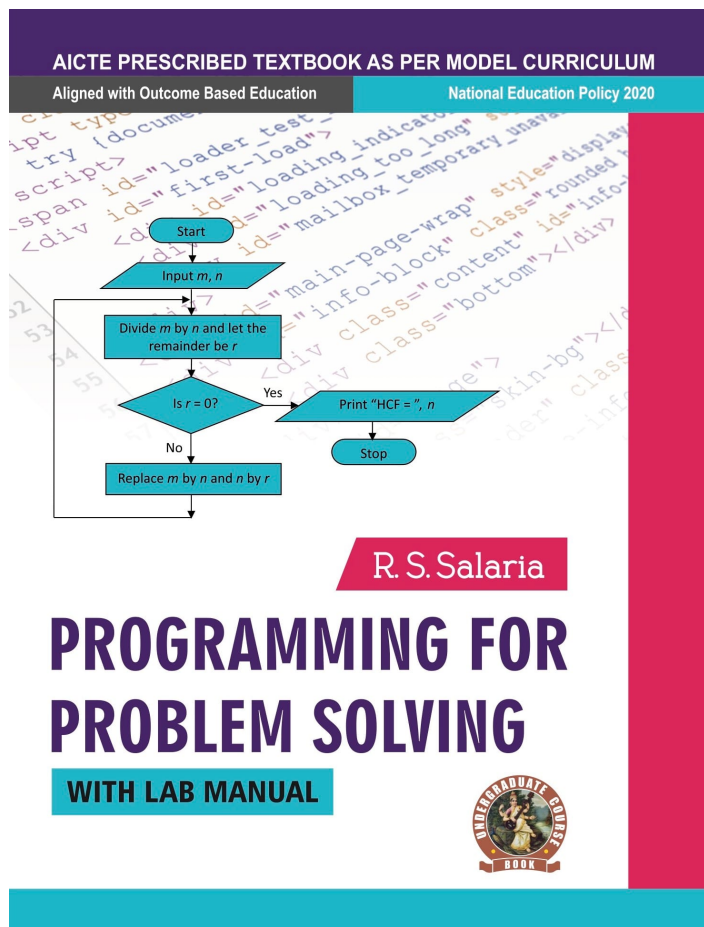




Programming for Problem Solving (with Lab Manual)

Author :	R.S. Salaria
ISBN 13 :	978-93-91505-21-9
ISBN 10 :	93-91505-21-X
E-ISBN 13 :	978-93-91505-21-9
Edition :	First
Pages :	348
Type of book :	Paperback
Weight (g) :	700.00
Year :	2024
Language :	English
Publisher :	Khanna Publishing House
Categories :	AICTE Prescribed Textbooks , APPLIED SCIENCES & HUMANITIES , Ebooks , English Books
Condition Type :	New
Country Origin :	India

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.



Table of Contents

Foreword

Acknowledgement

Preface

Outcome Based Education

Programme Outcome (POs)

Course Outcomes

Abbreviations and Symbols

List of Figures

List of Tables

Guidelines for Teacher

Guidelines for Students

Chapter 1: Introduction to Programming

Chapter 2: Arithmetic Expressions and Precedence.

Chapter 3: Conditional Branching and Loops.

Chapter 4: Arrays.

Chapter 5: Basic Algorithms.

Chapter 6: Functions.

Chapter 7: Recursion.

Chapter 8: Structures.

Chapter 9: Pointers.

Chapter 10: File Handling.

References for further learning

Co and PO attainment Table

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.

