



## Programming for Problem Solving

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## Product Description

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This book is specially conceived with an aim to serve not only as a textbook to cover the syllabus of public & public universities, rather a intelligent book (i-book) that empowers readers to acquire 21st century problem solving skills and sharp coding skills. Therefore, keeping in mind the requirements of 21st Century, a special emphasis is laid on the following aspects: Designed keeping in mind the objectives of OUTCOME BASED EDUCATION. Simple and lucid language that language that enables even an average reader to grasp the fundamental concepts of the subject. Illustrative examples (165+ in number) to demonstrate the application of the concepts. Multiple Choice questions (225+ in number) to provide an opportunity for self-assessment of the fundamental concepts learned. Short-answer type questions (192+ in number) to provide an opportunity to synthesize the fundamental concepts learned to answer precisely. Programming exercises (112+ in number) to provide an opportunity to harness their coding skills. Coding problems (42+ in number) from the IT/IT-enabled industry perspective to conquer the screening phase of the placement process. Frequently asked questions (43 in number) to conquer the technical round of the CAMPUS PLACEMENT PROCESS with flying colors. The whole content is designed and organized as per the BLOOM'S TAXONOMY.

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## Table of Contents

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**Coding/Programming Problems for Campus Placements** **Chapter 1:** Introduction to Computers. **Chapter 2:** Program Solving and Program. **Chapter 3:** Overview of C Language. **Chapter 4:** Data Types, Variables and Constants. **Chapter 5:** Operator and Expressions. **Chapter 6:** Console Input/Output. **Chapter 7:** Decision Making and Branching. **Chapter 8:** Decision Making and Looping. **Chapter 9:** User-Defined Functions. **Chapter 10:** Arrays and Strings. **Chapter 11:** User-Defined Data Types: Structure, Union & Enumeration. **Chapter 12:** Pointers & Dynamic Memory Management. **Chapter 13:** File Handling. **Chapter 14:** Preprocessor Directives. **Chapter 15:** Introduction to Algorithms. **Appendix A:** Answers of MCQs. **Appendix B :** FAQs for Oral Examination. **Appendix C:** Solution of Selected Programming Exercises.



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## Authors

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