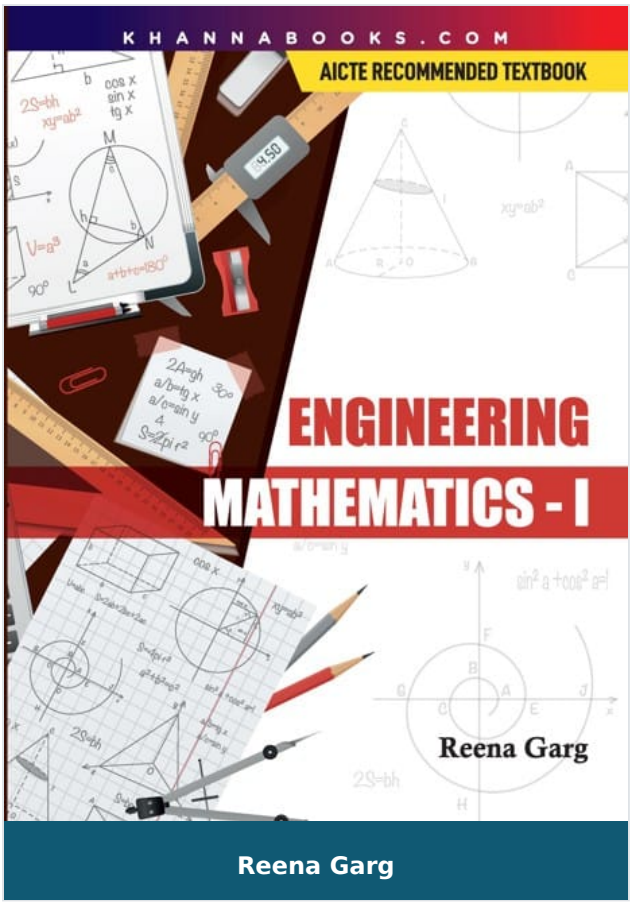


Reena Garg

Engineering Mathematics-I

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This book is designed to meet the complete requirements of Engineering Mathematics course of undergraduate syllabus, The book consists of seven chapters viz. infinite Series, Matrices, Expansion of Functions, Asymptotes, Curvature, Partial Differentiation, Multiple Integrals, Each chapter is treated in treated in systematic, logical and lucid manner, All these chapters are independent units in themselves. The students can go through the book picking up any chapter at any given times, without referring to other chapters, Hints, where ever necessary and answers of the questions in the exercises are given at the end of each exercise, Most of the questions-solved as well as unsolved-have been picked up from the examination papers of different universities and professional examinations, There are fully worked out examples and graded exercises (with answers) aimed at preparing the student for examination as well as higher studies, The authors have illustrated various methods to solve particular problems.

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Author

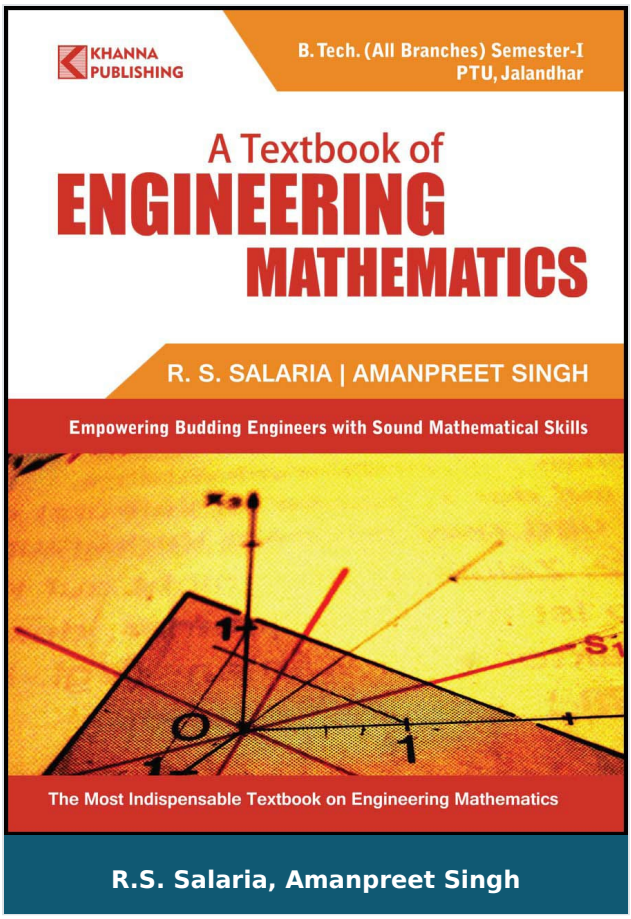
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The subject of Engineering Mathematics is an integral part of the course curriculum of Bachelor of Engineering/Technology (BE/B. Tech) program of all Indian Universities. The present state of teaching and learning of Mathematics is not that encouraging. A lot has to be done on both the Fronts.

The book in your hand is a first step of our commitment to uplift the standard of teaching and learning of Mathematics. We assure you that in our continuous journey in this endeavor and with your whole hearted support, we hope to make significant contribution in the teaching and learning of Mathematics We hope to see that day when we hear from our student that Mathematics is a wonderful subject and you all are relishing it.

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- Vector Calculus
- Applications of Vector Calculus

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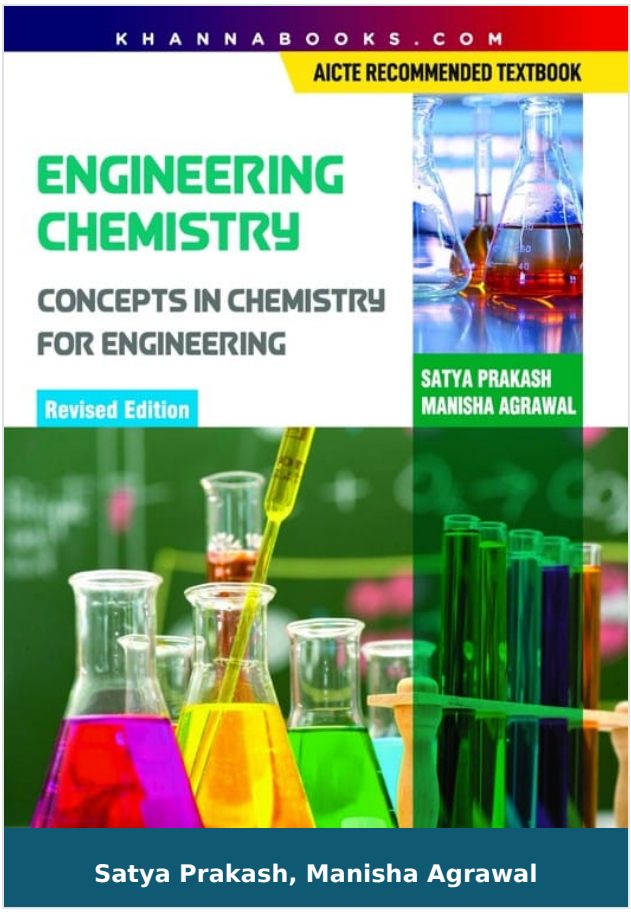
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The book has been written in simple language to help self study. The concepts have been explained with the help of equations and diagrams. The diagrams have been nicely labeled for clear understanding. Numerical examples have been solved with systematic steps. Solved and unsolved problems have been included. Experiments prescribed for engineering chemistry course have been included. theory and principle of each experiment have been explained in detail. Experimental producers have been written in an step wise manner. Viva voice has been discussed at the end of each experiment. Important points have been emboldened.

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- Periodic Properties
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- Objectives
- Index

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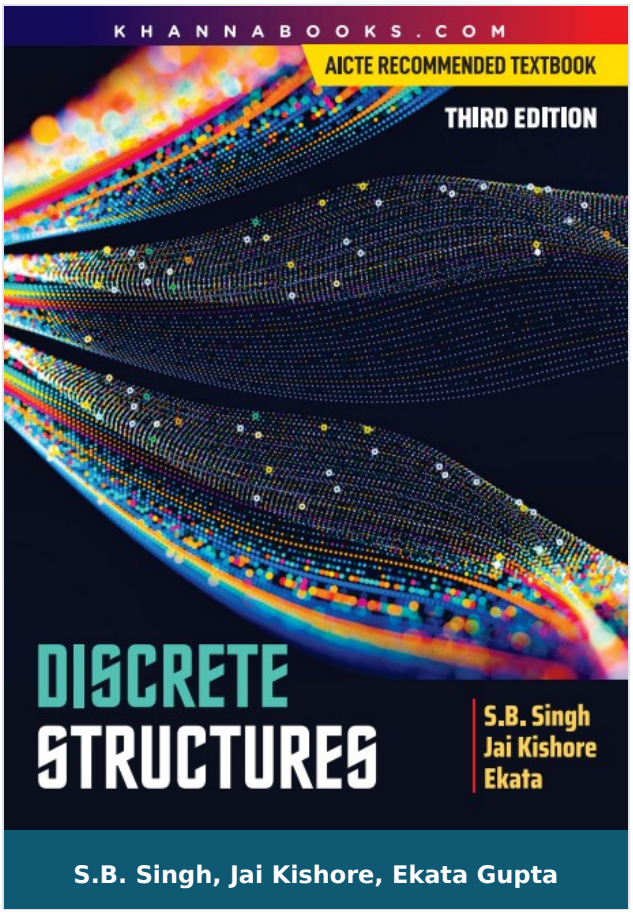
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published in SCI indexed International and National journals. She has organised more than 10 Conferences and workshops as convener among them four were International Conferences. She has credited five books as author, three patents as inventor and applicant and six Research Project Grants as Principal Investigator from Government Funding agencies like AICTE, CCOST and CSVTU. She has supervised 5 M. Phil. Students, 12 BE and Diploma students. Presently 6 research scholars are perusing Ph. D. under her supervision.

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Discrete Structures

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Table Of Contents

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- Lattices
- Boolean Algebra
- Graph Theory
- Automata
- Appendix
- Bibliography
- Index

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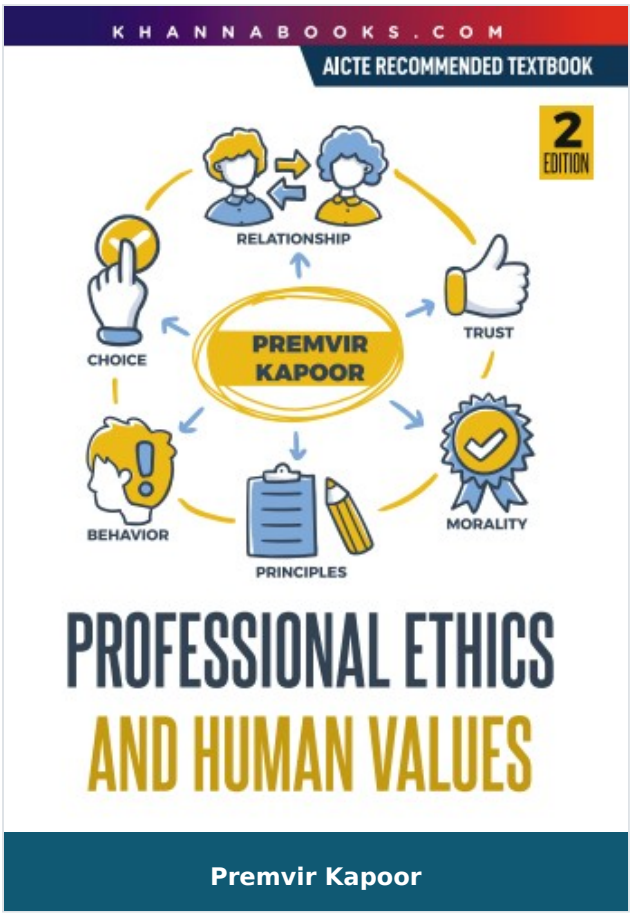
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Professional Ethics and Human Values

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The book explain the concept of Business Ethics and Human Values in proper Perspective and shall make the readers realise the important of value and ethics in business and provide them a framework to take ethical decisions by following a life of values a person develop certain fine qualities hope honesty, courage, confidence, maturity, helpfulness and achieve aspiration dream by using the right way of thinking and doing.

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Table Of Contents

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- Chapter-6: Science of Living (Jeevan Vigyan)
- Chapter-7: Value Education
- Chapter-8: Personality and Stress Management
- Chapter-9: Review Questions

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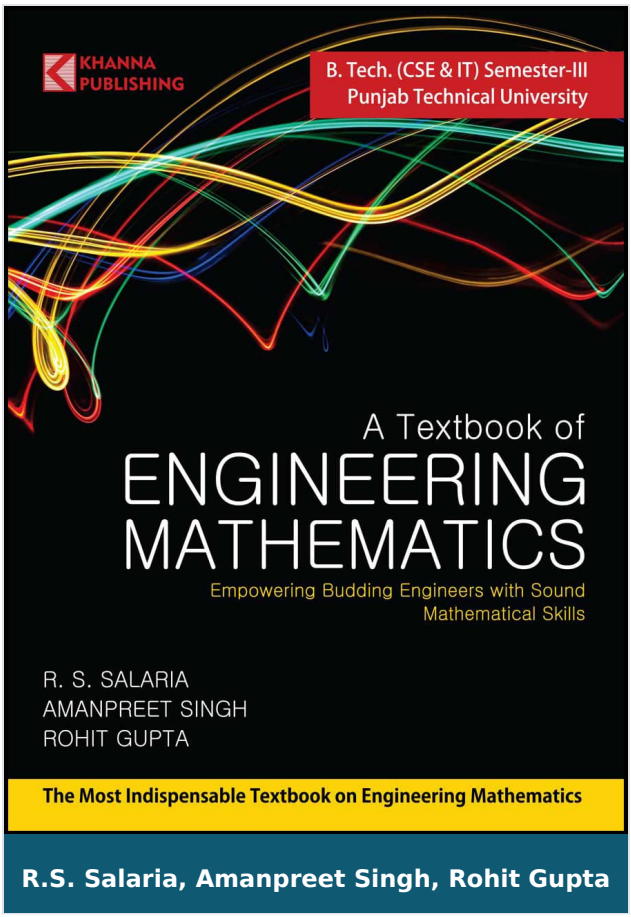
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A Textbook of Engineering Mathematics

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While writing, Due care is taken to present the subject matter in a simple and illustrative manner so that a reader can grasp it with quite ease and can built basic and conceptual knowledge in the subject.

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- Numerical Solution of Ordinary Differential Equations
- Probability Distributions
- Sampling Distribution and Testing of Hypothesis

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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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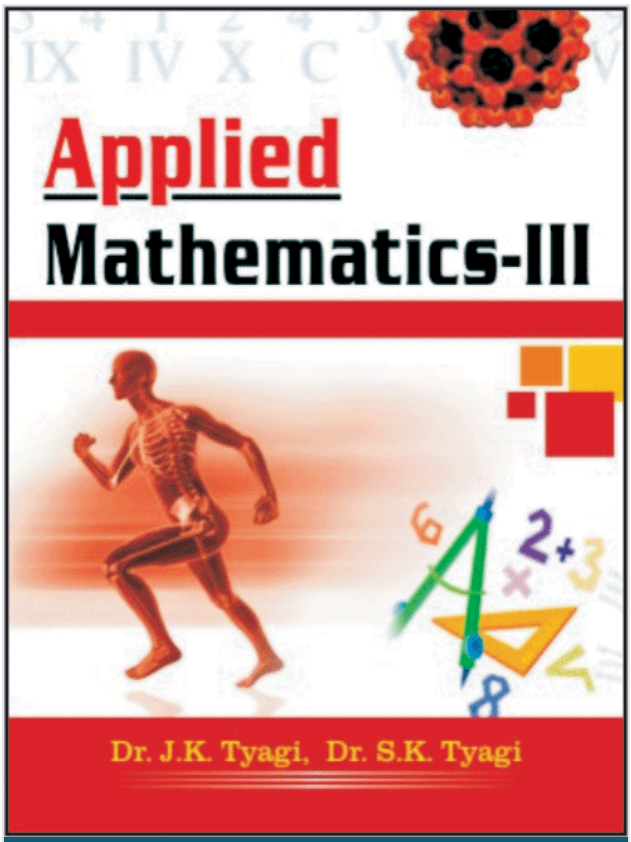
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J.K. Tyagi, S.K. Tyagi

Applied Mathematics–III

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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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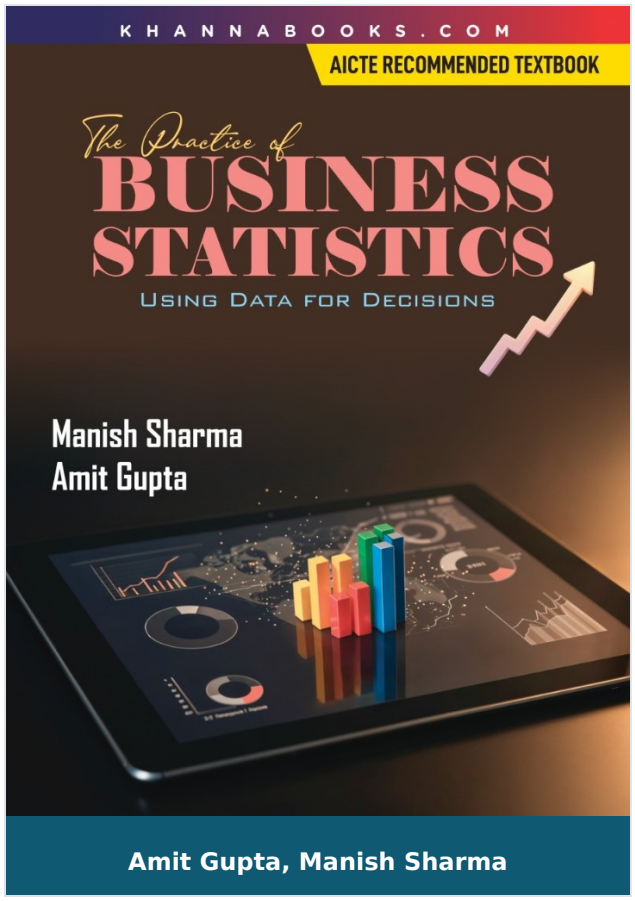
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Amit Gupta, Manish Sharma

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- Presentation of Data: Diagrammatic
- Presentation of Data: Graphic
- Measures of Central Tendency
- Measures of Dispersion (Variation)
- Skewness, Moments and Kurtosis
- Index Numbers
- Correlation Analysis
- Regression Analysis
- Time Series Analysis and Forecasting
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- Sampling Distributions and Estimation
- Test of Hypothesis
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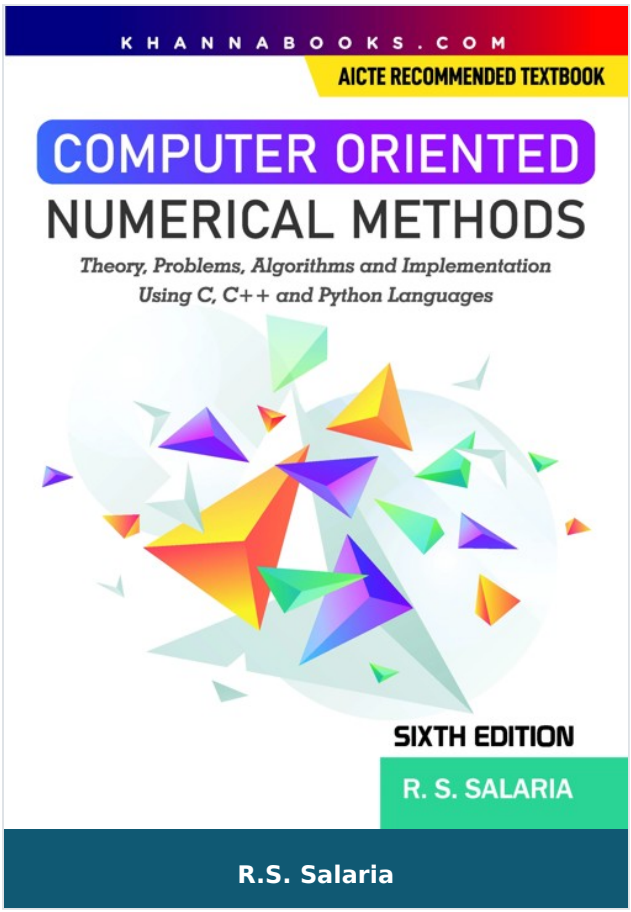
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Computer Oriented Numerical methods

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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.

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Table Of Contents

- Preamble.
- Data Presentation And Computer Arithmetic.
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- 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.

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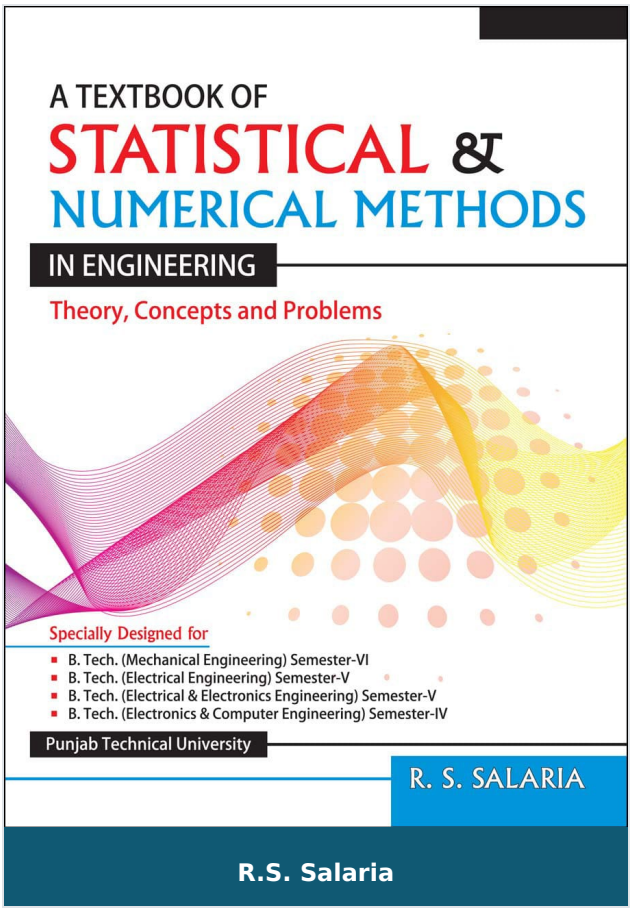
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A Textbook of Statistical & Numerical Methods in Engineering

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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.

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- Solution of Algebraic and Transcendental Equations
- Interpolation Methods
- Curve Fitting
- Numerical Differentiation
- Numerical Integration
- Solution of Linear Systems of Equations
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- Appendix A: Listing of Selected Programs in C++
- Appendix B: Statistical Tables

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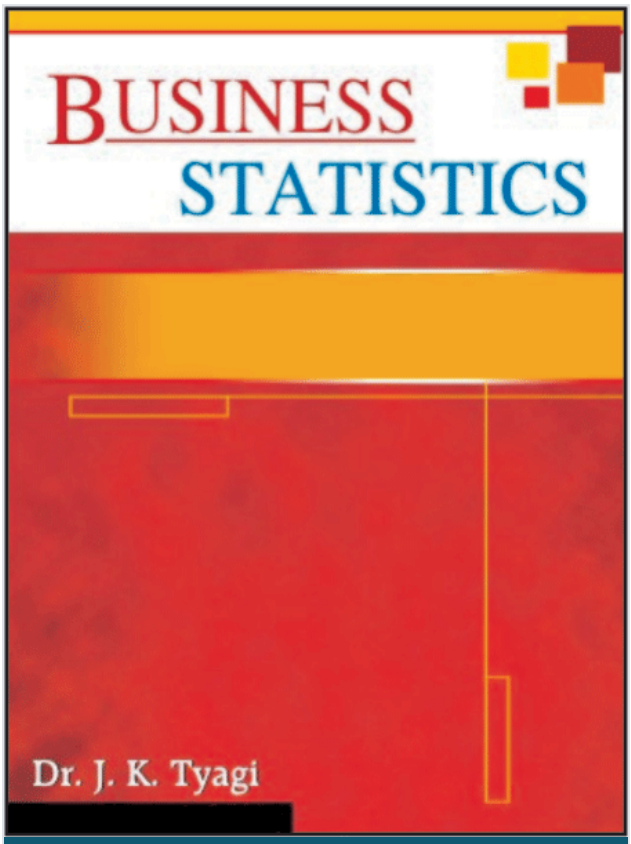
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J.K. Tyagi

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Table Of Contents

- UNIT-I
- Problem Set 1.1
- Problem Set 1.2
- Problem Set 1.3
- Problem Set 1.4
- Problem Set 1.5
- Problem Set 1.6
- Problem Set 1.7
- Problem Set 1.8
- UNIT-II
- Problem Set 2.1
- Problem Set 2.2
- Problem Set 2.3
- Problem Set 2.4
- UNIT-III
- Problem Set 3.1
- Problem Set 3.2
- Problem Set 3.3
- Problem Set 3.4
- Problem Set 3.5
- Problem Set 3.6
- UNIT-IV
- Problem Set 4.1

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- Problem Set 4.2
- Problem Set 4.3
- Problem Set 4.4
- Problem Set 4.5
- Problem Set 4.6
- Problem Set 4.7
- Problem Set 4.8
- Multiple Choice Questions
- Examination Paper
- Log Tables

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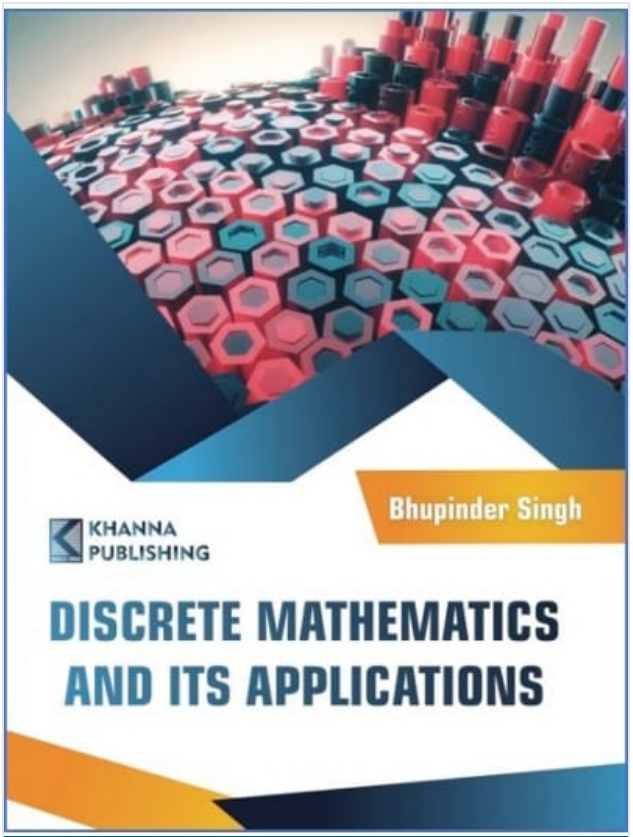
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Bhupinder Singh

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The book is designed for a one semester course in discrete mathematics for B.E. (Computer Science and Engineering), B.E. (Information Technology), MCA and BCA students. It covers syllabus of the most Indian universities. Keeping this in mind the contents of the books are incorporated accordingly. The discipline of mathematics requires working of problems to enhance the understanding. Therefore, numbers problems are appended at the end of each chapter. Solutions are also provided to these problems. This has been divided into 15 chapters. In spite of my best care, it is possible that some errors, printing mistakes etc., might have crept in. I shall be thankful if the same is brought to my notice. Suggestions for further improvement of the book by readers will be highly appreciated.

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- Propositional Logic
- Boolean Algebra
- Finite State Machine
- Recurrence Relations
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