



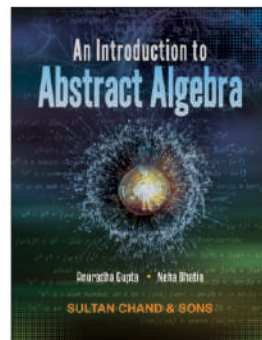
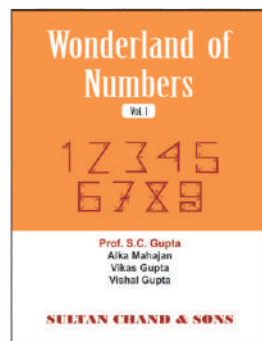
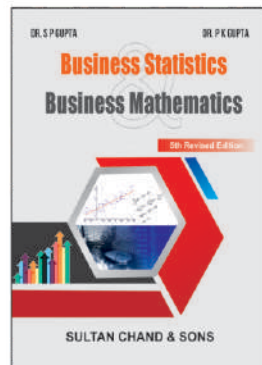
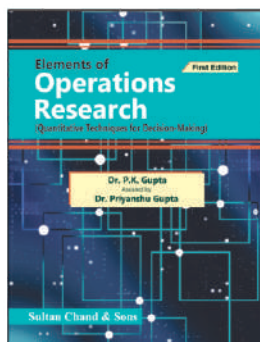
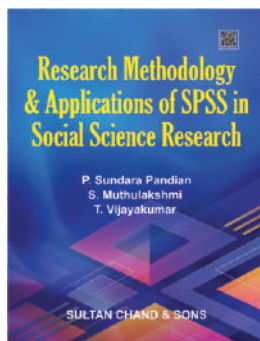
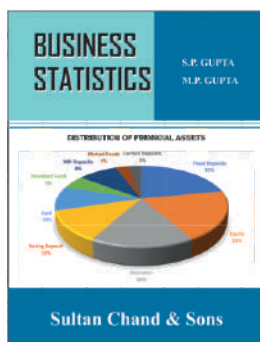
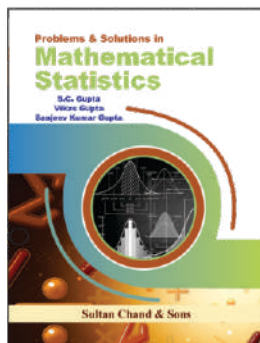
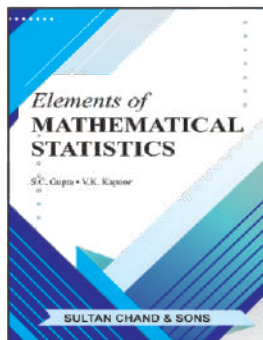
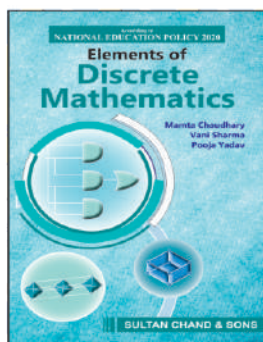
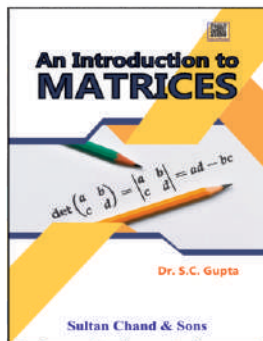
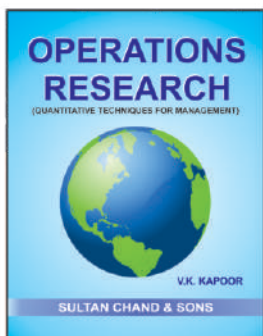
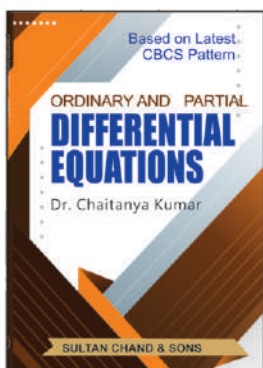
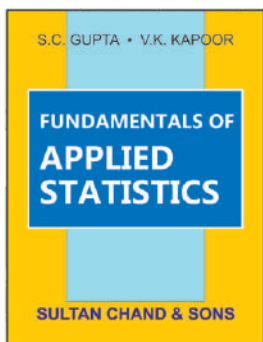
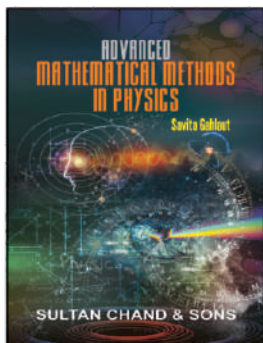
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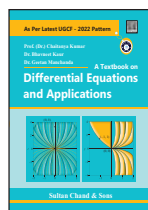
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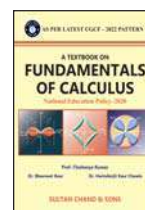
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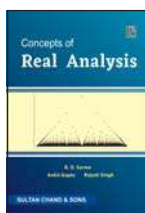
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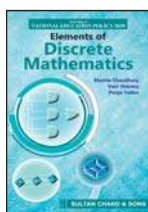
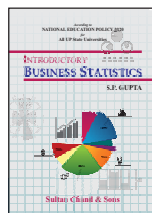
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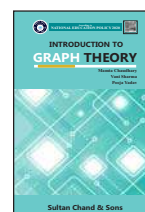
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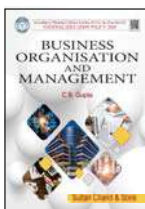
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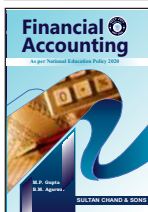
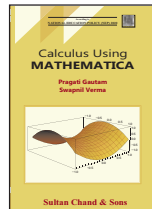
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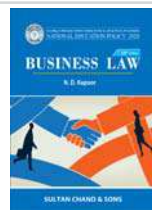
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Principles and Practice of Management	<i>L.M. Prasad</i>	209
Principles of Management	<i>Dinkar Pagare</i>	199

Research Methodology & Applications of SPSS in Social Science Research

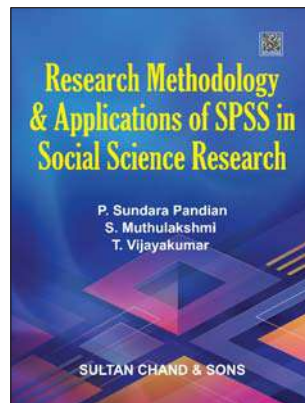
P. Sundara Pandian • S. Muthulakshmi • T. Vijayakumar

About the Book

Research methodology is taught as a supporting subject in several ways in many academic disciplines such as education, psychology, social work, library studies and marketing research. The core philosophical base for this book comes from my conviction that, although these disciplines vary in content, their broad approach to a research enquiry is similar. This book, therefore, is addressed to these academic disciplines and business people. It uses simple examples to demystify complex theories and methodologies.

Salient Features

- The edition contains significant additional input in almost every chapter of the book.
- It provides enhanced insights into issues from emerging countries' business.
- The practical examples cover all aspects of parametric and non parametric tests which are relevant for business in emerging countries.
- This edition includes several new cases and examples which would help students comprehend the research methodologies illustrated in each chapter.
- This edition will equip students with the knowledge of skills involved in this basic research process.
- This well-organized book deals with the variety of research methods and tools used in management and social sciences with application of SPSS.



Contents

- | | |
|--|--|
| • Introduction to Research | • Factorial ANOVA |
| • Types of Research | • Multivariate Analysis of Variance (MANOVA) |
| • Steps in Research Process | • Chi-square Test |
| • Identification of Research Problems | • Non-parametric Tests |
| • Review of Literature | • Friedman's Test |
| • Research Design | • Mann-whitney Test or U-test |
| • Methods of Data Collection | • Wilcoxon Signed Rank Test |
| • Hypothesis | • Kruskal Wallis Test |
| • Sampling Techniques | • Meaning of Correlation Analysis |
| • Introduction to Statistical Package for Social Sciences (SPSS) | • Multiple Regression Analysis |
| • Descriptive Statistics | • Factor Analysis |
| • Cronbach's Alpha Test | • Cluster Analysis |
| • Parametric Test | • Multidimensional Scaling |
| • One Sample T-test | • Discriminant Analysis |
| • Two-sample T-test or Independent Sample t-test | • Structural Equations Modelling |
| • Paired Sample T-test | • Interpretation and Report Preparation |
| • Analysis of Variance (ANOVA) | |
| • Two-way ANOVA | |

Bibliography

A Dive into the World of Blockchain Technology

Ms. Sakshi Ahlawat • Dr. Upendra Pratap Singh
Dr. Deepti • Dr. Pawan Kumar

About the Book

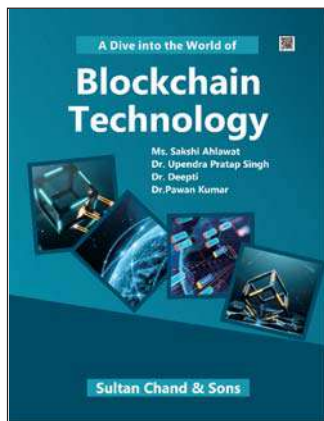
This is a textbook that focuses on providing an insight into the world of Blockchain Technology for students who are Beginners and interested in learning about the real world applications of the Technology.

Salient Features

- Introduces the concept and origin of Blockchain to Beginners
- Explains the implementation of Blockchain in Various sectors
- Explores the use case of Blockchain in sectors like Education, Legal Industry, Land Records, Financial Sector, Global supply chain, Healthcare, Airlines, and Payment Channels
- Explains the concept of Tokenize Economy through Blockchain
- Advocate and explores the issues related to governance of a decentralized blockchain network
- Familiarize students with the technology and software's used for implementation of Blockchain
- Introduces the Ethereum Network and various Applications of Ethereum in the technology world
- Introduces Solidity, the most used programming language used for Ethereum platform.
- Explores the future of the blockchain technology.

Contents

- Blockchain for Beginners
- Bitcoins or Genesis of Blockchain Technology
- Model of Blockchain Technology Implementation
- Role of Blockchain Technology in Education
- Role of Blockchain Technology in Legal Industry
- Role of Blockchain Technology Technology in maintaining Land Records
- Role of Blockchain Technology in the Financial Sector
- Role of Blockchain Technology in Global Supply Chain
- Role of Blockchain Technology in Health Sector
- Role of Blockchain Technology in Aviation Sector
- Role of Blockchain Technology in Payment Systems
- Role of Blockchain Technology in Tokenized Economy
- Governance of Blockchain Technology
- Tools and Software used for Blockchain Technology or Technology behind Blockchain Technology
- Ethereum Network and its Applications
- Solidity
- Future of Blockchain Technology



A Textbook on Differential Equations and Applications

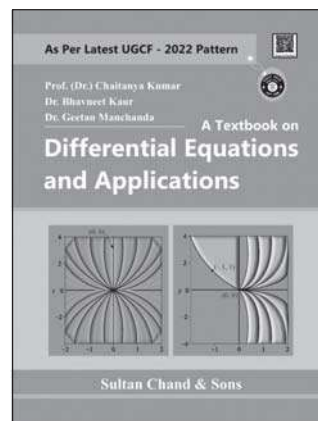
As per Latest UGCF - 2022 Pattern

Prof. (Dr.) Chaitanya Kumar • Dr. Bhavneet Kaur • Dr. Geetan Manchanda

Contents

- Preliminaries
- Ordinary Differential Equations of Order One and First Degree
- Differential Equations of First Order but Not to First Degree
- The Wronskian and its Properties
- Linear Differential Equations with Constant Coefficients
- Homogeneous Linear Differential Equations
- Method of Variation of Parameters and Undetermined Coefficients
- Simultaneous Linear Differential Equations
- Total Differential Equations
- Compartmental Models
- Models of Single Population
- Interacting Population and Phase-Plane Analysis
- Practicals in Differential Equations
- Mathematica Software
- Maxima Software
- Octave Software

University Question Papers (2018 – 2022)



Edition: 1st, 2023

Pages: xvi + 520

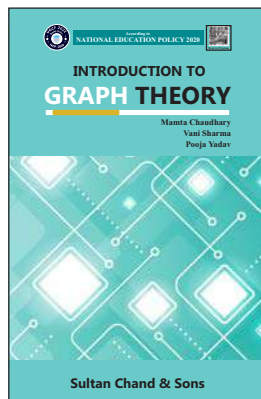
ISBN: 93-91820-32-9; (TC 1289)

MRP: ₹ 550.00

Introduction to Graph Theory

According to National Education Policy-2020

Mamta Chaudhary • Vani Sharma • Pooja Yadav



Contents

- Graphs
- Representation of a Graph and Graph Isomorphism
- Paths and Circuits
- Shortest Path Algorithms
- Trees
- Planar Graphs and Coloring
- Networks, Flows and Cuts
- Applications of Graphs
- Important Questions – Solved

Miscellaneous Questions

Question Papers

Edition: 1st, 2023

Pages: xvi + 312

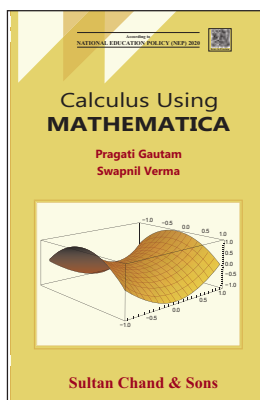
ISBN: 93-91820-33-6; (TC 1285)

MRP: ₹ 325.00

Calculus Using MATHEMATICA

Pragati Gautam • Swapnil Verma

Contents



- Introduction: Mathematica Software
- Functions in Mathematica
- Limit, Continuity and Differentiability of Functions in Mathematica
- Tracing of Parametric Curves
- Tracing of Polar Equations
- Hyperbolic Functions in Mathematica
- Parabola, Ellipse and Hyperbola in Mathematica
- Revolving Surfaces in Mathematica
- Complex Numbers in Mathematica
- Finite and Infinite Subsets of \mathbb{R}
- Matrices
- Sequence and its Convergence in Mathematica
- Series in Mathematica

Model Question Paper I

Model Question Paper II

Bibliography

Edition: 1st, 2023

Pages: xvi + 272

ISBN: 978-93-91820-26-8; (TC 1264)

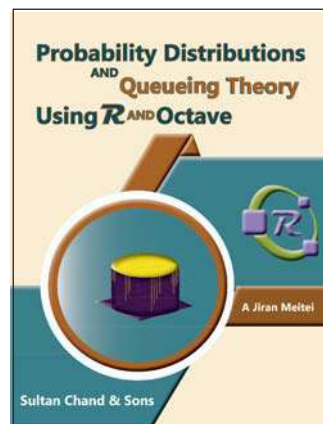
MRP: ₹ 250.00

Probability Distributions and Queueing Theory Using \mathcal{R} and Octave

A Jiran Meitei

Contents

- Random Variables
- Mathematical Expectation
- Special Univariate Discrete Probability Distributions
- Special Univariate Continuous Probability Distributions-I
- Special Univariate Continuous Probability Distributions-II
- Exact Sampling Distributions
- Fitting of Distribution
- Stochastic Processes and Basics of Queueing Theory
- Markovian Queues



Edition: 1st, 2023

Pages: (In press)

ISBN: 978-93-91820-17-6; (TC 1284)

MRP: (In press)

Statistical Methods

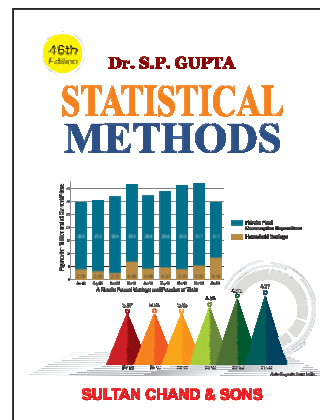
Dr. S.P. Gupta

Contents

Volume I: Statistics – What and Why • Organising A Statistical Survey • Collection of Data • Sampling and Sample Designs • Classification and Tabulation of Data • Diagrammatic and Graphic Presentation • Measures of Central Value • Measures of Dispersion • Skewness, moments & Kurtosis • Correlation Analysis • Regression Analysis • Association of Attributes • Index Numbers • Analysis of Time Series • Interpolation and Extrapolation • Vital Statistics • Statistical Fallacies.

Volume II: Probability and Expected Value • Theoretical Distributions • Statistical Inference – Test of Hypothesis • χ^2 test and Goodness of Fit • F-Test and Analysis of Variance • Experimental Designs • Statistical Quality Control • Business Forecasting • Partial and Multiple Correlation • Statistical Decision Theory • Non-Parametric Tests.

Revisionary Exercise • Appendices.



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ISBN: 978-93-5161-176-9 (TC 506)

MRP: ₹ 795.00

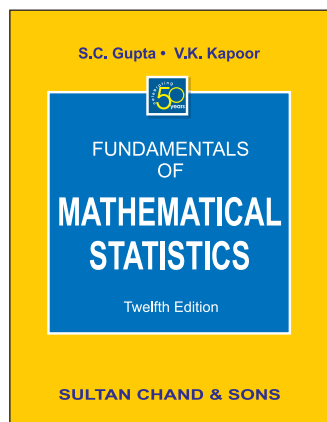
Fundamentals of Mathematical Statistics

S.C. Gupta • V.K. Kapoor

Contents

Introduction (Meaning and Scope) • Descriptive Measures (Measures of Central Tendency, Measures of Dispersion, Measures of Skewness, Measures of Kurtosis) • Theory of Probability – I • Theory of Probability – II • Random Variables and Distribution Functions • Mathematical Expectation • Generating Functions and Law of Large Numbers • Special Discrete Probability Distributions • Special Continuous Probability Distributions • Correlation • Curve Fitting and Regression Analysis • Multiple and Partial Correlation and Regression Analysis • Theory of Attributes • Large Sample Theory • Exact Sampling Distributions-I [Chi-square (χ^2) Distribution] • Exact Sampling Distributions-II [t , F and Z Distributions] • Statistical Inference – I (Theory of Estimation) • Statistical Inference – II (Testing of Hypothesis and Non-Parametric methods) • Finite Differences and Numerical Analysis • Bivariate and Multivariate Normal Distributions • Some Additional Topics.

Appendices • Index.



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ISBN: 978-93-5161-173-8 (TC 499)

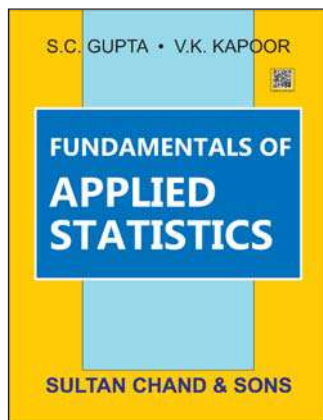
MRP: ₹ 795.00

Fundamentals of Applied Statistics

S.C. Gupta • V.K. Kapoor

Contents

- Statistical Quality Control
- Analysis of Time Series
- Index Number
- Demand Analysis
- Analysis of Variance
- Design of Experiments
- Design of Sample Surveys
- Statistics in Psychology and Education
- Vital Statistics.



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Pages: xvi + 712

ISBN: 978-81-8054-705-8 (TC 502)

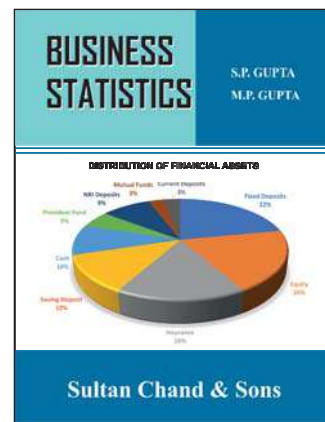
MRP: ₹ 625.00

Business Statistics

S.P. Gupta • M.P. Gupta

Contents

- Business Statistics – What & Why
 - Collection of Data
 - Presentation of Data
 - Measures of Central Tendency
 - Measures of Variations
 - Skewness, Moments and Kurtosis
 - Correlation analysis
 - Regression Analysis
 - Index Numbers: Concepts and Applications
 - Business Forecasting and Time Series Analysis
 - Probability
 - Probability Distributions
 - Sampling and Sampling Distributions
 - Estimation of Parameters
 - Test of Hypothesis
 - Small Sampling Theory
 - Chi-Square Test
 - Analysis of Variance
 - Statistical Quality Control
 - Partial and Multiple Correlation and Regression
 - Statistical Decision Theory
- Appendix: Statistical Tables.*



Edition: 19th, 2017

Pages: xxiv + 800

ISBN: 978-93-5161-106-6 (TC 518)

MRP: ₹ 595.00

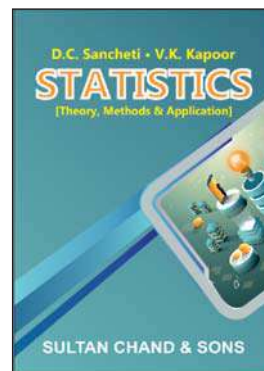
Statistics

(Theory, Methods & Application)

D.C. Sancheti • V.K. Kapoor

Contents

- Meaning and Scope
- Statistical Survey
- Classification and Tabulation
- Diagrammatic and Graphic Presentation
- Measures of Averages
- Measures of Dispersion
- Skewness, Moments & Kurtosis
- Correlation Analysis
- Regression Analysis
- Index Numbers
- Analysis of Time Series
- Association of Attributes
- Interpolation
- Probability and Expected Value
- Statistical Decision Theory
- Theoretical Distributions
- Sampling and Designing of a Sample Survey
- Test of Hypothesis
- Chi-Square Test
- F-Test and Analysis of Variance
- Statistical Quality Control
- Multiple & Partial Correlation and Regression
- Vital Statistics
- Linear Programming.



Edition: 7th, 2010

Pages: xii + 1447

ISBN: 978-81-8054-612-9 (TC 555)

MRP: ₹ 695.00

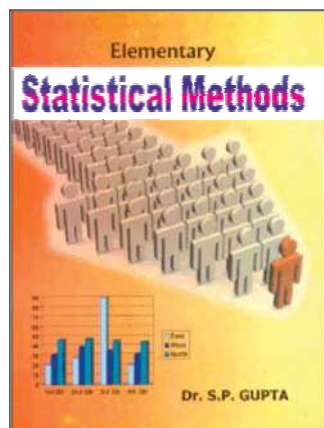
Elementary Statistical Methods

Dr. S.P. Gupta

Contents

- Introduction
- Classification and Tabulation
- Diagrammatic and Graphic Presentation
- Measures of Central Tendency
- Measures of Variation
- Skewness, Moments and Kurtosis
- Correlation Analysis
- Regression Analysis
- Index Numbers.
- Analysis of Time Series
- Probability Theory
- Small Sampling Theory
- Chi-Square Test
- Analysis of Variance
- Statistical Quality Control
- Interpolation and Extrapolation
- Interpretation of Data

Appendix.



Edition: 19th, 2022

Pages: xxiv + 696

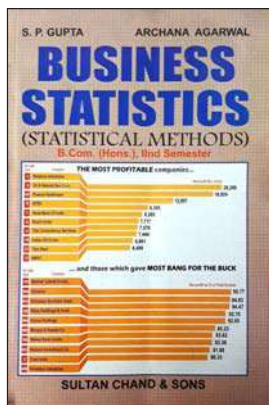
ISBN: 978-81-8054-596-2 (TC 504)

MRP: ₹ 595.00

Business Statistics (Statistical Methods)

S.P. Gupta • Archana Agarwal

Contents



- Business Statistics – What and Why
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- Measures of Central Value
- Measures of Dispersion
- Skewness, Moments and Kurtosis
- Correlation Analysis
- Regression Analysis
- Index Numbers
- Analysis of Time Series
- Probability Theory
- Theoretical Distributions
- Statistical Decision Theory
- Sampling and Sample Designs
- Sampling Distribution and Theory of Estimation

Question Papers of B.Com. (Hons.) Examination, Semester II
Appendices.

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ISBN: 978-81-5161-074-8 (TC 519)

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Problems & Solutions in Mathematical Statistics

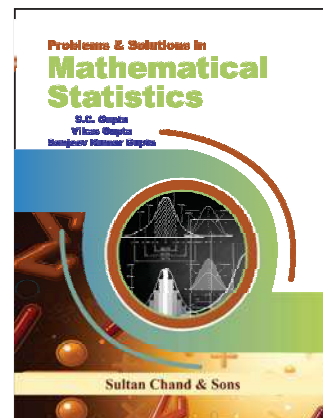
S.C. Gupta • Vikas Gupta • Sanjeev Kumar Gupta

Contents

- Descriptive Measures [Measures of Central Tendency, Dispersion, Skewness and Kurtosis]
- Probability
- Random Variables and Distribution Functions
- Mathematical Expectation
- Generating Functions and Law of Large Numbers
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- Continuous Probability Distributions
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- Regression
- Bivariate Normal Distribution
- Exact Sampling Distributions-(I) (Chi-Square Distribution)
- Exact Sampling Distributions-(II) (t and f Distributions)

Appendix 1 – Numerical Tables

Appendix 2 – Bibliography.



Edition: 1st, 2016

Pages: viii + 640

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MRP: ₹ 495.00

सांख्यिकी के सिद्धान्त

डॉ. एस.पी. गुप्ता • उमा गुप्ता

विषय-सूची

भाग-I

सांख्यिकी – क्या और क्यों? • सांख्यिकीय अनुसन्धान का आयोजन • समकों का संकलन एवं सम्पादन • सांख्यिकीय अनुसन्धान की संगणना तथा निदर्शन रीतियाँ • उपसादन तथा सांख्यिकीय विभ्रम • वर्गीकरण तथा सारणीयन • समकों का चित्रमय प्रदर्शन • समकों का बिन्दुरेखीय प्रदर्शन • सांख्यिकीय माध्य • अपकिरण के माप • विषमता, परिघात तथा पृथुशीर्षत्व • सहसम्बन्ध • सूचकांक • काल श्रेणी का विश्लेषण • समकों का निर्वचन • प्रतीपगमन विश्लेषण • गुण-साहचर्य • आन्तरगणन तथा बाह्यगणन • जीवन सम्बन्धी समंक ।

भाग-II

प्रायिकता सिद्धान्त • सैद्धांतिक आवृत्ति वितरण • सार्थकता के परीक्षण • कोई वर्ण परीक्षण और आसंजन सौष्ठव • प्रसरण का विश्लेषण • सांख्यिकीय गुण नियंत्रण • व्यापारिक पूर्वानुमान • आंशिक एवं बहुगुणी सहसम्बन्ध • सांख्यिकीय निर्णय सिद्धान्त • परिशिष्ट ।

सांख्यिकी के सिद्धान्त

डॉ. एस.पी. गुप्ता
उमा गुप्ता

सुलतान चन्द एण्ड सन्स

Edition: 11th, 2007

Pages: viii + 1,016

ISBN: 978-81-8054-607-5 (TC 515)

MRP: ₹ 475.00

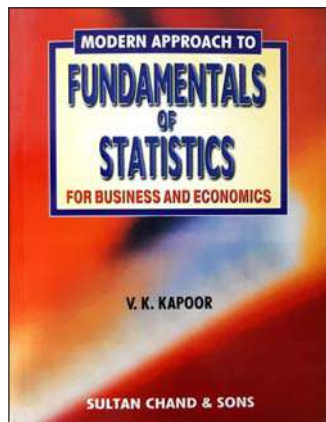
Modern Approach to Fundamentals of Statistics

For Business and Economics

V.K. Kapoor

Contents

Statistics: An Overview • Organising and Presenting Univariate Data • Descriptive Measures – I (Measures of Central Tendency) • Descriptive Measures – II (Measures of Dispersion) • Descriptive Measures – III (Skewness, Moment and Kurtosis) • Correlation Analysis • Linear Regression Analysis • Analysis of Time Series and Forecasting • Index Numbers • Introductory Probability • Random Variables and Probability Distributions • Special Probability Distribution • Statistical Decision Theory • Sampling and Statistical Inference • Hypothesis Testing – I • Hypothesis Testing – II • The Chi-square Distribution • Analysis of Variance • Theory of Attributes • Multiple and Partial Correlation and Regression Analysis • Interpolation and Extrapolation • Statistical Quality Control • Linear Programming.



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Pages: xii + 876

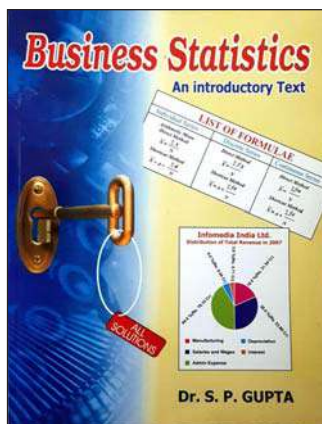
ISBN: 978-81-8054-797-3 (TC 1042)

MRP: ₹ 295.00

Business Statistics

An Introductory Text

Dr. S.P. Gupta



Contents

- An Introductory Text
- Introduction to Statistics
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- Measures of Central Tendency
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Appendix

*Symbols, Abbreviation and Formulae
Statistical Tables.*

Edition: 1st, 2009

Pages: viii + 608

ISBN: 978-81-8054-644-0; (TC 1161)

MRP: ₹ 200.00

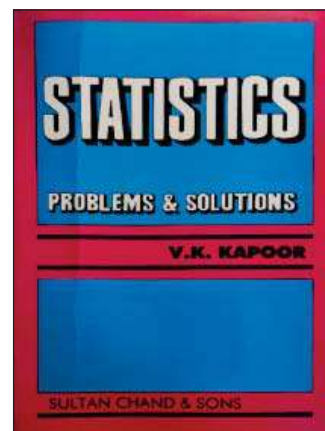
Statistics

Problems & Solutions

V.K. Kapoor

Contents

- Classification and Tabulation
- Averages
- Dispersion, Skewness & Kurtosis
- Correlation
- Regression
- Index Numbers
- Time Series
- Probability
- Statistical Decision Theory
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- Association of Attributes
- Multiple & Partial Correlation.



Edition: 7th, 2000

Pages: viii + 800

ISBN: 978-81-7014-686-0; (TC 535)

MRP: ₹ 175.00

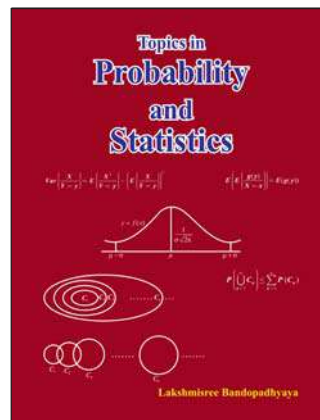
Topics in Probability and Statistics

Lakshmisree Bandopadhyaya

Contents

- I. Basic Probability
- II. Random Variable and Expectation
- III. Special Discrete Distributions
- IV. Special Continuous Distributions
- V. Joint Distributions
- VI. Inequalities, Limit Theorems and Markov Chains.

Topics in Probability & Statistics
Delhi University Question Papers.



Edition: 1st, 2016

Pages: xiv + 250

ISBN: 978-81-7211-370-4

MRP: ₹ 300.00

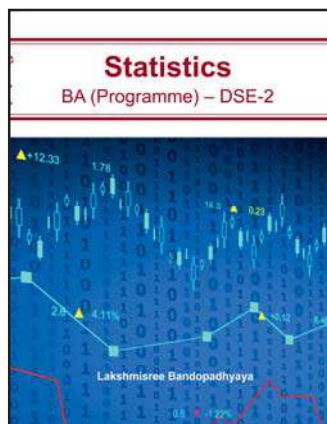
Statistics

BA (Programme) – DSE-2

Lakshmisree Bandopadhyaya

Contents

- Section 1** Basic Probability, Random Variable and Expectation
- Section 2** Special Discrete and Continuous Distributions
- Section 3** Bivariate Distribution, Central Limit Theorem, Laws of Large Numbers
- Section 4** Sampling and Test of Significance.



Edition: 1st, 2018

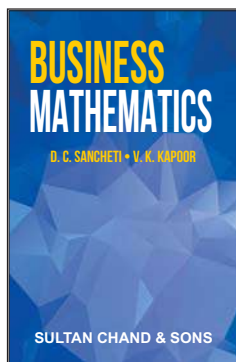
Pages: xiv + 202

ISBN: 978-81-7211-377-3

MRP: ₹ 250.00

Business Mathematics

D.C. Sancheti • V.K. Kapoor



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Logical Statements and Truth Tables • Theory of Sets • Boolean Algebra • Real Number System • Groups, Ring and Field • Indices and Surds • Logarithms • Equations : Linear Quadratic, Cubic and Higher Order • Permutations and Combinations • Binomial Theorem • Mathematical Induction, Sequences and Series • Arithmetic and Geometric Progressions • Convergence and Divergence of Series • Circular Functions and Trigonometry • Coordinate Geometry • Functions, Limits and Continuity • Differential Calculus • Integral Calculus • Vector Algebra • Matrix Algebra Supplement • Applications to Business and Economics • Linear Programming • Probability.

*Some Additional Topics
Numerical Tables.*

Edition: 11th, 2011

Pages: xvi + 1,200

ISBN: 978-81-8054-538-2 (TC 552)

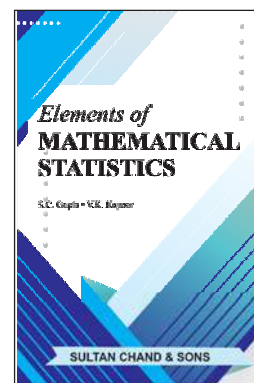
MRP: ₹ 595.00

Elements of Mathematical Statistics

S.C. Gupta • V.K. Kapoor

Contents

- Introduction – Meaning and Scope
 - Frequency Distributions and Measures of Central Tendency
 - Measures of Dispersion, Skewness and Kurtosis
 - Theory of Probability
 - Random Variables – Distribution Functions
 - Mathematical Expectation, Generation Functions and Law of Large Numbers
 - Theoretical Discrete Distributions
 - Theoretical Continuous Distributions
 - Curve Fitting and Principle of Least Squares
 - Correlation and Regression
 - Theory of Attributes
 - Sampling and Large Sample Tests
 - Chi-square Distribution
 - Exact, Sampling Distribution
 - Theory of Estimation
 - Testing of Hypothesis
 - Analysis of Variance
 - Design of Experiments
 - Design of Sample Surveys.
- Tables*



Edition: 3rd, 2015

Pages: xvi + 512

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MRP: ₹ 275.00

Business Statistics & Business Mathematics

Dr. S.P. Gupta • Dr. P.K. Gupta

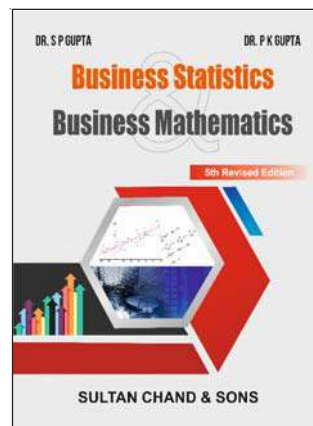
Contents

Part I: Business Statistics – Introduction to Statistics • Classification and Tabulation • Diagrammatic and Graphic Presentation • Measures of Central Tendency • Measures of Variation • Correlation Analysis • Regression Analysis • Index Numbers • Analysis of Time Series • Interpretation of Data.

Appendix

Part II: Business Mathematics – Matrix Algebra • Functions, Limits and Continuity • Differentiation and its Applications • Integration and its Applications • Mathematics of Finance.

Appendix



Edition: 5th, 2022

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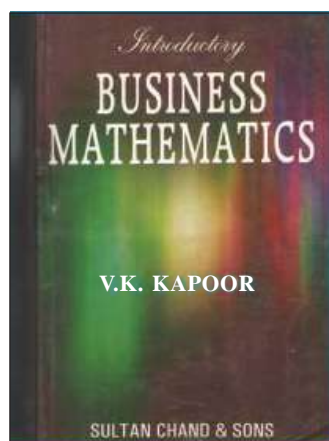
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V.K. Kapoor

Contents



- Matrices – I (Basic Concepts)
- Matrices – II (Applications)
- Functions
- Limit & Continuity
- Differentiation – I (Basic Concepts)
- Differentiation – II (Applications)
- Partial Differentiation – I (Basic Concepts)
- Partial Differentiation – II (Applications)
- Integration – I (Basic Concepts)
- Integration – II (Applications)
- Linear Programming – I (Formulation & Graphic Solution Method)
- Linear Programming – II (Simplex Method)
- Linear Programming – III (Duality)
- Mathematics of Finance – I (Compound Interest)
- Mathematics of Finance – II (Annuities Certain)
- The Transportation and Assignment Problems.

Appendix

Edition: 18th, 2011

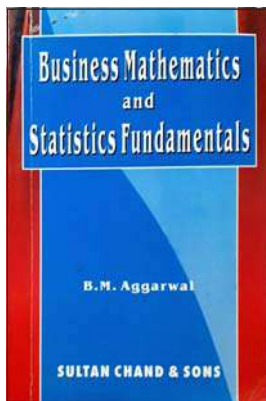
Pages: xvi + 858

ISBN: 978-81-8054-832-1; (TC 1059)

MRP: ₹ 325.00

Business Mathematics and Statistics Fundamentals

B.M. Aggarwal



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Arithmetic, Algebra and Mensuration – Percentage, Mixtures, Ratio, Proportion and Variation • Indices and Surds • Number System • Permutations and Combinations • Theory of Equations • Logarithms • Interest (Simple Interest, Compound Interest and Discounting of bills) • Elements of Set Theory • Truth Table and Its Applications of Statements • Mensuration • Averages • Plain Analytical Geometry.

Miscellaneous Solved Examples – I.

Calculus – Differential Calculus • Integral Calculus.

Statistics – Frequency Distribution • Measures of Central Tendency • Measures of Dispersion • Moments, Skewness and Kurtosis • Miscellaneous Solve Examples – II.

Scanner, Short Answer Questions.

Edition: 1st, 2009

Pages: viii + 1,154

ISBN: 978-81-8054-633-4 (TC 940)

MRP: ₹ 300.00

Business Mathematics

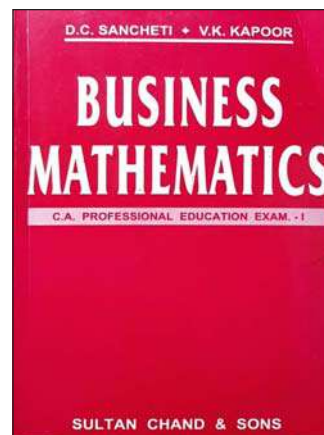
C.A. Professional Education Exam.-I

D.C. Sancheti • V.K. Kapoor

Contents

- Functions and Applications
- Arithmetic & Geometric Progressions
- Permutations & Combinations
- Matrices
- Linear Inequalities
- Limit & Continuity
- Differentiation
- Integration
- Mathematics of Finance – I
- Mathematics of Finance – II

Appendix.



Edition: 8th, 2010

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ISBN: 978-81-8054-835-2 (TC 877)

MRP: ₹ 200.00

Business Statistics and Operations Research

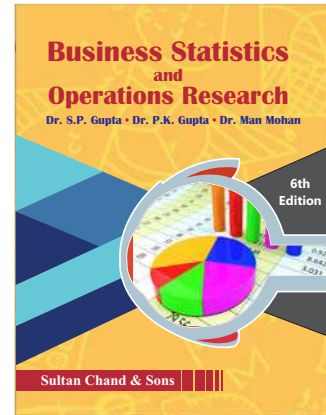
Dr. S.P. Gupta • Dr. P.K. Gupta • Dr. Man Mohan

Contents

Business Statistics – Introduction • Classification And Tabulation • Diagrammatic And Graphic Presentation • Measures of Central Tendency • Measures of Variation • Skewness, Moments and Kurtosis • Correlation Analysis • Regression Analysis • Index Numbers • Analysis of Time Series • Tests of Hypotheses • Chi-Square Test • Analysis of Variance • Statistical Quality Control.

Appendix

Operations Research – Operations Research — An Overview • Linear Programming • Linear Programming Problem – Solution Methods • Duality in Linear Programming • Transportation Problem • Assignment Problem • Network Analysis — PERT/CPM.



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Pages: xvi + 768

ISBN: 978-93-91820-35-0 (TC 508)

MRP: ₹ 595.00

Introduction to Management Science

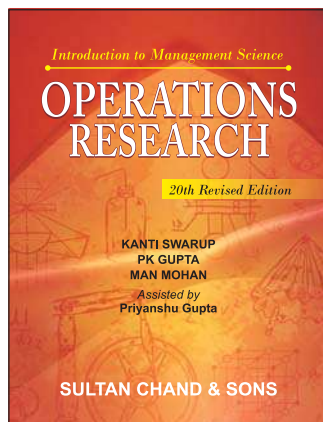
Operations Research

Kanti Swarup • P.K. Gupta • Man Mohan

Contents

Operations Research – An Overview • Linear Programming • Solving Linear Programming Problems • Theory of Simplex Method • Duality in Linear Programming • Post – optional Analysis • Transportation Problem • Assignment Problem • Other Methods of Solving Linear Programming Problems • Operations Scheduling • Integer Programming • Goal Programming • Scheduling Techniques • Resources Analysis in Project Management • Dynamic Programming • Network Routing Problems • Probability • Markov Analysis • Decision Theory • Queuing Theory • Replacement Decisions • Inventory Management – Deterministic • Inventory Management – Probabilistic • Simulation • Non-Linear Programming and Optimization • Solving Non-Linear Programming Problems • Geometric Programming • Information Theory • Investment Analysis and Break-even Analysis • Business Forecasting • Learning Curve Theory • Statistical Quality Control.

Some Case Problems, Appendices, Index.



Edition: 20th, 2022

Pages: xxiv + 1,160

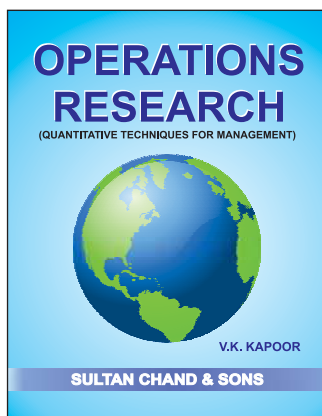
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Operations Research

(Quantitative Techniques for Management)

V.K. Kapoor



Contents

- Operations Research
- Linear Programming – I: Problem Formulation and Solution by Graphical Method
- Linear Programming – II: Simplex Method
- Linear Programming – III: Duality and Sensitivity Analysis
- Transportation Problem
- Assignment Problem
- Sequencing Problem
- Replacement Theory
- Queuing Theory
- Decision Analysis
- Theory of Games
- Inventory Management
- Project Network Analysis: CPM/PERT
- Simulation
- Goal Integer and Dynamic Programming
- Markov Chains.

Edition: 9th, 2014

Pages: xvi + 624

ISBN: 978-93-5161-011-3 (TC 531)

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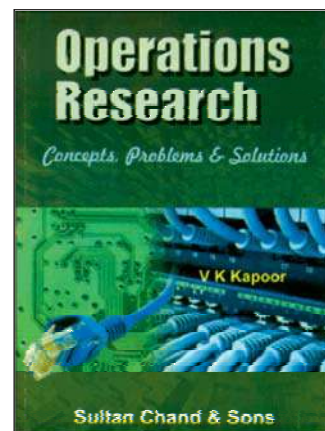
Operations Research

Concepts, Problems & Solutions

V.K. Kapoor

Contents

- Operation Research: An Overview
- Linear Programming-I: Model Formulation
- Linear Programming-II: Graphical Method
- Linear Programming-III: Simplex Method & Duality
- Transportation Problem
- Assignment Problem
- Replacement Theory
- Sequencing Problem
- Decision Theory
- Inventory Management
- Queuing Theory
- Network Analysis: CPM & PERT
- Game Theory
- Simulation.



Edition: 5th, 2011

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Quantitative Techniques and Operations Research

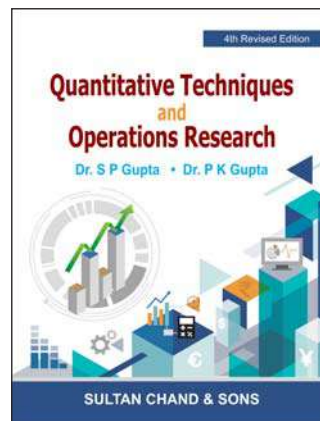
Dr. S.P. Gupta • Dr. P.K. Gupta

Contents

Part I: Quantitative Techniques – Quantitative Techniques – Introduction • Introduction to Statistics • Classification and Tabulation • Diagrammatic and Graphic Presentations • Measures of Central Tendency • Measures of Variation • Skewness Moments and Kurtosis • Correlations Analysis • *Regression Analysis*.

Questions Papers, Appendix.

Part II: Operations Research – Managerial Decision-making and Operations Research • Linear Programming • Linear Programming Problem – Solution Methods • Duality in Linear Programming • Transportation Problem • Assignment Problem • Operations Scheduling.



Edition: 4th, 2022

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ISBN: 978-93-5161-182-0 (TC 1017)

MRP: ₹ 495.00

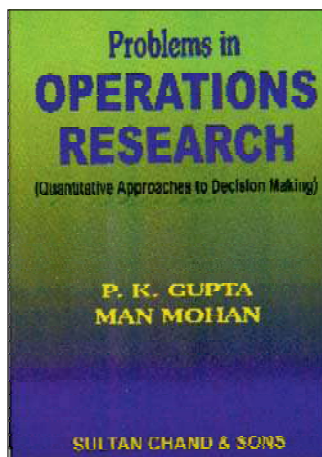
Problems in Operations Research (Quantitative Approaches to Decision Making)

P.K. Gupta • Man Mohan

Contents

Applied Operations Research – An Overview • Linear Programming – Model Formulation • Linear Programming Problem – Graphical Solution • Linear Programming Problem – Standard Form & Basic Solution • Simplex Method – I • Simplex Method – II • Simplex Method – III • Degeneracy in Linear Programming • Duality in Linear Programming • Dual Simplex Method • Revised Simplex Method • Bounded Variable Problem • Integer Programming • Post Optimal Analysis • Parametric Linear Programming • Transportation and Transshipment Problems • Assignment Problems • Sequencing Problems • Dynamic Programming • Decision Analysis • Game Theory • Markov Analysis • Queueing Problems • Inventory Models • Replacement Problems • Non-Linear Programming • Quadratic Programming • Network Scheduling by PERT/CPM • Resource Analysis in Network Scheduling • Simulation • Investment Analysis and Break-Even Analysis • Business Forecasting • Network Routing Problems • Learning Curve Theory • Information Theory.

Appendix : Statistical and Other Tables.



Edition: 14th, 2014

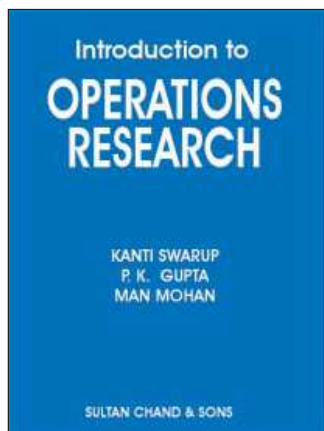
Pages: viii + 936

ISBN: 978-93-5161-007-6 (TC 495)

MRP: ₹ 550.00

Introduction to Operations Research

Kanti Swarup • P.K. Gupta • Man Mohan



Contents

- Operations Research – An Overview
- The Linear Programming Problem
- The Simplex Method
- Duality in Linear Programming
- Integer Programming
- The Transportation Problem
- The Assignment Problem
- Sequencing Problems
- Dynamic Programming
- Game Theory
- Queuing Theory
- Inventory Problems
- Replacement Problem
- Decision Analysis
- Markov Analysis
- Network Analysis
- Simulation.

*Appendices Statistical Tables
Answers
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Edition: 5th, 2005

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ISBN: 978-81-8054-351-X; (TC 526)

MRP: ₹ 80.00

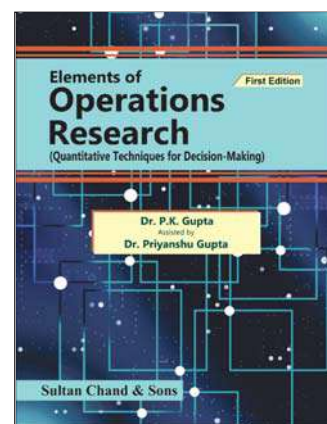
Elements of Operations Research

(Quantitative Techniques for Decision-Making)

Dr. P.K. Gupta

Contents

- Decision-Making and Operations Research
- Linear Programming
- Linear Programming Problem – Solution Methods
- Duality in Linear Programming
- Transportation Problem
- Assignment Problem
- Network Analysis – PERT/CPM
- Decision Theory
- Game Theory
- Queuing Models
- Inventory Control
- Replacement Decisions
- Sequencing: Operations Scheduling



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Concepts of Real Analysis

According to National Education Policy-2020

R.D. Sarma • Ankit Gupta • Rajesh Singh

Contents

Part – I

- Real Numbers
- Sequences
- Infinite Series

- Sequence of Functions

- Series of functions and Power Series.

Appendix A: Tools for Curve Tracing

Appendix B: Tracing of Rational and Polar Curves

Hints/Answers of the Exercises

Bibliography

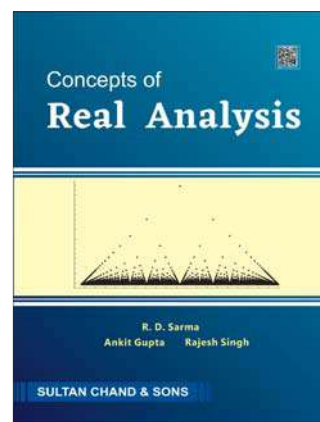
Index.

Part – II

- Limits of Functions
- Continuous Functions
- Differentiation
- Applications of Derivatives

Part – III

- Riemann Integration
- Improper Integrals



Edition: 1st, 2023

Pages: $x + 678$

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As per Latest UGCF – 2022 Pattern Based on NEP-2020

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- Limits, Continuity and Differentiability
- Successive Differentiation
- Partial Differentiation
- Tangents and Normals
- Asymptotes and Singular Points

- Maxima and Minima

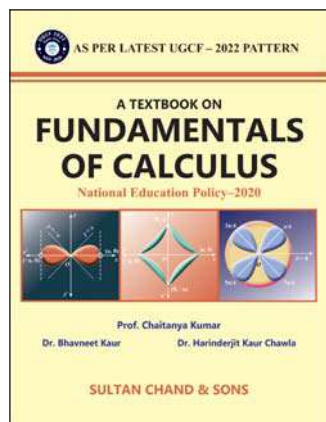
- Curve Tracing

- Mean Value Theorems

- Indeterminate Forms

- Reduction Formula.

University Questions Papers.



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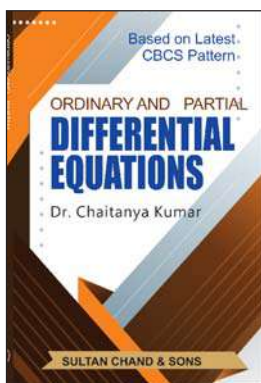
MRP: ₹ 350.00



Ordinary and Partial Differential Equations

Based on Latest CBCS Pattern

Dr. Chaitanya Kumar



Contents

- An Introduction to Differential Equations
- Ordinary Differential Equations of Order One and First Degree
- Differential Equations of First Order but Not to First Degree
- The Wronskian and its Properties
- Linear Differential Equation with Constant Coefficients
- Homogeneous Linear Differential Equations
- Method of Variation of Parameters
- Simultaneous Linear Differential Equations
- Total Differential Equations
- Partial Differential Equations – Formation, Solution of First Order Equations
- Non-Linear Partial Differential Equations of Order One.

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Elements of Discrete Mathematics

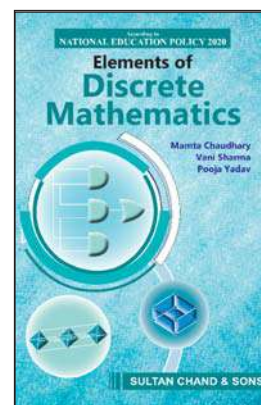
According to National Education Policy-2020

Mamta Chaudhary • Vani Sharma • Pooja Yadav

Contents

- Number Systems
- Set Theory
- Posets and Lattices
- Types of Lattices
- Logical Mathematics
- Boolean Algebra
- Switching Circuits.

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Question Papers.*



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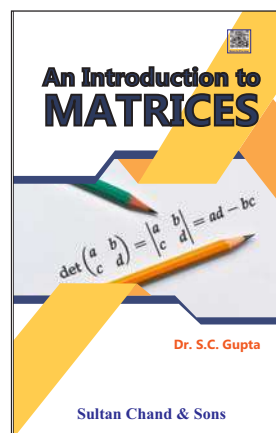
MRP: ₹ 295.00

An Introduction to Matrices

S.C. Gupta

Contents

- Algebra of Matrices
- Matrices Associated with a Given Matrix
- Determinants
- Adjoint and Inverse of a Matrix
- Rank of a Matrix
- Linear Equations
- The Characteristic Roots and the Characteristic Equation of a Matrix
- Quadratic Forms.



Bibliography
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Edition: 1st, 1978

Pages: viii + 288

ISBN: 978-81-8054-926-7; (TC 503)

MRP: ₹ 275.00

Business Mathematics

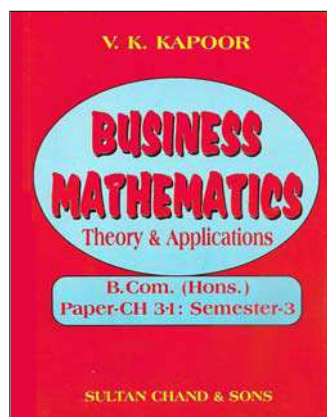
Theory and Applications

B.Com. (Hons.) Paper-CH 3.1: Semester-3

V.K. Kapoor

Contents

- | | |
|---|--|
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| • Applications of Matrices | • Application of Integration |
| • Functions | • Mathematics of Finance |
| • Limits and Continuity | • Linear Programming-I (Formulation and Graphic Solution Method) |
| • Differentiation (Basic Concepts) | • Linear Programming-II (Simplex Method) |
| • Applications of Differentiation to Business & Economics | • Linear Programming-III (Duality). |
| • Partial Differentiation (Basic Concepts) | |
| • Applications of Partial Differentiation | |



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Topics in Linear Programming and Games Theory

Lakshmisree Bandopadhyaya

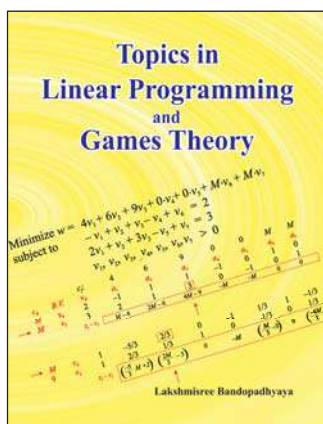
Contents

Section 1 Preliminaries: Linear Programming Problems

Section 2 Solution Techniques: Simplex Algorithm

Section 3 Applications: Concept of Duality
 • Transportation Problems
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Section 4 Games: Games Theory.



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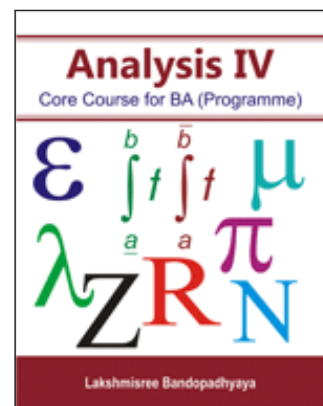
Analysis IV

Core Course for BA (Programme)

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- I. Properties of Real Numbers, Continuous Functions and Uniformly Continuous Functions
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Pradip Narain • Tajender Singh Saluja

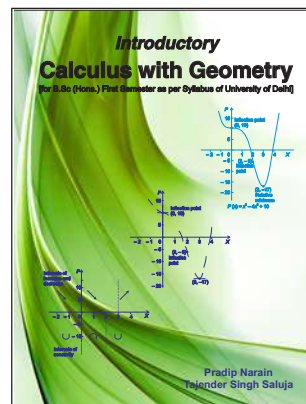
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• Application of Derivatives • Curve Tracing in Cartesian Coordinates
• L' Hôpital's Rule • Optimization in Business, Economics, and the Life Sciences • Parametric Representation of Curves and Their Tracing • Polar Coordinates and Tracing of Polar Curves.

Section II – Reduction Formulae • Volumes • Arc Length and Surface Area.

Section III – Conic Sections and their Tracing • Rotation of Axes.

Section IV – Physical Quantities • Introduction to Vector-Valued Functions and Graphs • Calculus of Vector-Valued Functions • Modeling Ballistics and Planetary Motion • Curvature, Tangential and Normal Components of Acceleration.



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Problems in Mathematics

For ICAI Professional Examination – I

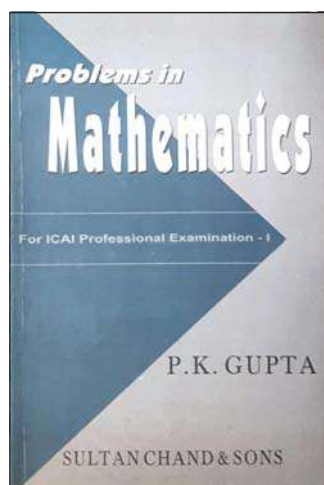
P.K. Gupta

Contents

- Functions
- Graph of Linear Inequalities
- Matrices
- Applications of Matrices
- Progressions
- Applications of Progression
- Permutation and Combinations
- Limits and Continuity
- Simple Differentiation
- Applications of Derivatives
- Simple Integration
- Applications of Integration
- Mathematics of Finances.

Appendix A: Sample Papers and their Solutions

*Appendix B: Tables
Question Paper with Solution.*



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Pages: xvi + 512

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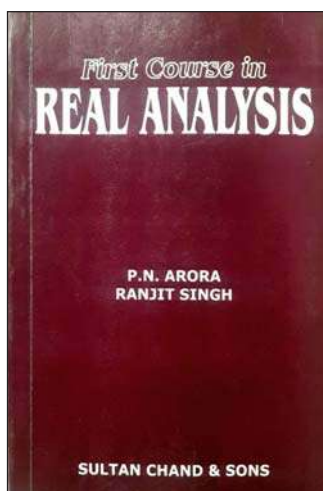
First Course in Real Analysis

P.N. Arora • Ranjit Singh

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- Sequences
- Infinite Series
- Limits and Continuity
- Derivatives
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- Indeterminate Forms and L'Hospital's Rule
- On the Series of Arbitrary Terms.

Delhi University Examination Papers.



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ISBN: 978-81-8054-443-5 (TC 477)

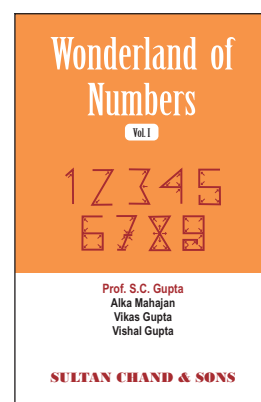
MRP: ₹ 85.00

Wonderland of Numbers – Vol. I

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- Mathematical Tricks
- Some Interesting Numbers
- Arithmetic Potpourri (Marvels in Arithmetic)
- Square Numbers
- Cube Numbers
- Srinivas Aiyenger Ramanujan (FRS) and His Contributions to Mathematics.



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Pages: xvi + 400

ISBN: 978-93-91820-05-3 (TC 1248)

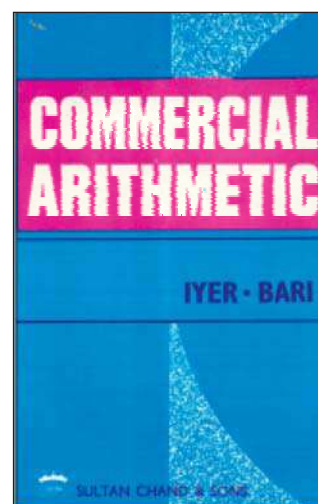
MRP: ₹ 400.00

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B.G. Iyer • S.A. Bari

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- Foreign Bills
- Indices and Logarithms
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- Stocks and Shares
- Mensuration-Areas
- Mensuration-Volumes
- Variation
- Time, Work and Speed
- Approximation and Errors.
- Miscellaneous Topics*
- Answer*
- Examination Papers*
- Tables.*



Edition: 10th, 1984

Pages: vi + 366

ISBN: 978-81-8054-827-7 (TC 523)

MRP: ₹ 175.00

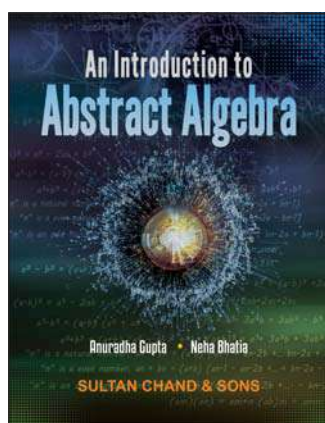
An Introduction to Abstract Algebra

Anuradha Gupta • Neha Bhatia

Contents

- Sets
- Numbers
- Permutations
- Groups
- Rings
- Vector Spaces
- Examination Papers on Group Theory
- Examination Papers on Rings and Vector Spaces.

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Pages: xii + 284

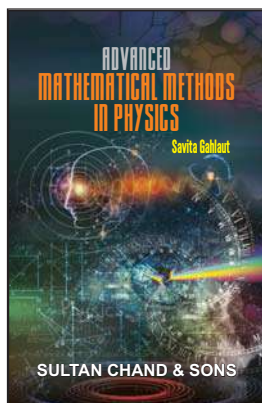
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MRP: ₹ 250.00



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Savita Gahlaut



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- Vector Spaces
- Linear Transformations
- Linear Transformations and Matrices
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- Function of Matrices
- Cartesian Tensors
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Edition: 1st, 2021

Pages: xvi + 368

ISBN: 978-93-91820-04-6; (TC 1250)

MRP: ₹ 250.00

Mathematical Physics

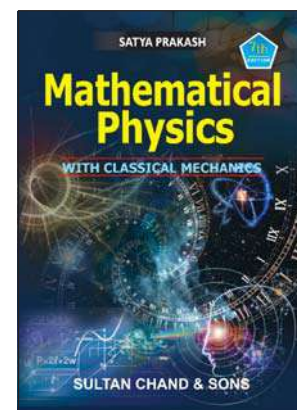
With Classical Mechanics

Satya Prakash

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- Tensors
- Beta-gamma and Error Functions
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- Differential Equations and Special Functions
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- Partial Differential Equations in Physics
- Fourier's and Laplace's Integral Transforms
- Dirac Delta Function & Green's Function
- Probability, Statistics and Theory of Errors
- Group Theory
- Numerical Analysis
- Classical Mechanics
- Special Theory of Relativity
- Quantum Mechanics
- Statistical Mechanics.

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Physics

Edition: 7th, 2021

Pages: xi + 1,688

ISBN: 978- 81-8054-928-1; (TC 587)

MRP: ₹ 990.00



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M.N. Srinivasan • S. Balasubramanian • R. Ranganathan

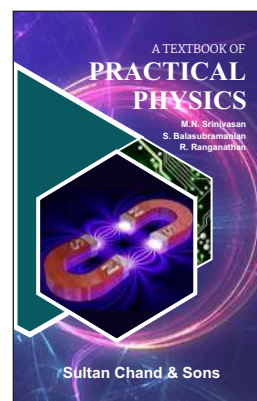
Contents

- Mechanics and Properties of Matter
- Heat
- Sound
- Light
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- Electro-Magnetism & Electricity
- Electronics.

Appendix

University Questions

Data of Physical Constants.



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ISBN: 978-81-8054-744-7; (TC 601)

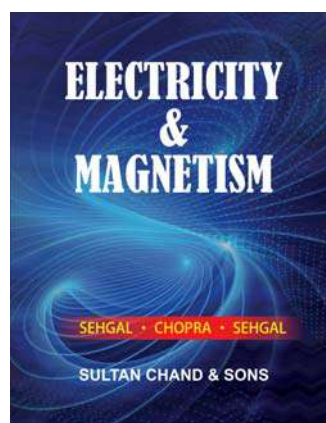
MRP: ₹ 250.00

Electricity and Magnetism

D.L. Sehgal • K.L. Chopra • N.K. Sehgal

Contents

- Vectors
- Electrical Units
- The Fundamental Principles of Electrostatics
- The Electric Field
- Electric Potential
- Systems of Conductors, Capacitance
- Electrostatic Energy
- The General Electrostatic Problem
- Dielectrics
- Steady Currents
- Magnetic Effects of Currents
- Electrical Instruments
- Measurement of Resistance and Potential
- Heating Effects of Currents
- Thermoelectricity
- Electromagnetic Induction
- Transient Currents
- Alternating Currents
- Alternating Current Bridges
- Network Analysis
- Magnetic Properties of Materials
- Magnetic Circuits
- Maxwell's Equations and Electromagnetic Waves.



Edition: 7th, 2020

Pages: xxiv + 960

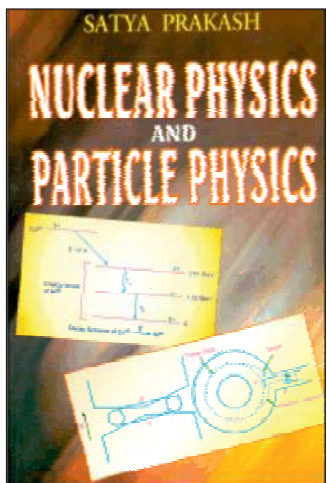
ISBN: 978-93-5161-144-8 (TC 590)

MRP: ₹ 540.00



Nuclear Physics and Particle Physics

Satya Prakash



Contents

- General Properties of Atomic Nuclei
- Two Body Problem and Nuclear Forces
- Radioactivity
- Alpha – Decay
- Beta – Decay
- Gamma Transitions
- Nuclear Models
- Nuclear Reactions
- Nuclear Energy; Nuclear Fission and Fusion
- Nuclear Instrumentation – Nuclear Accelerations and Detectors
- Elementary Particle Physics
- Cosmic Rays.

Edition: 1st, 2005

Pages: xvi + 480

ISBN: 978- 81-8054-993-9; (TC 589)

MRP: ₹ 400.00

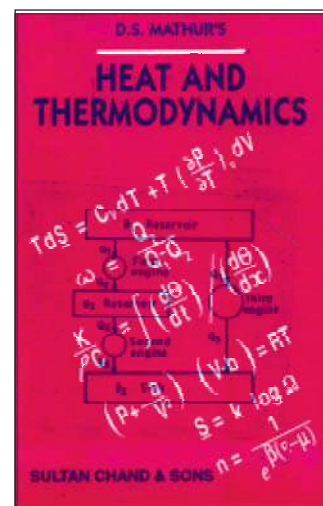
Heat & Thermodynamics

D.S. Mathur

Contents

- Heat and Temperature – Thermometry
- Thermal Expansion
- Calorimetry
- Change of State
- Kinetic Theory of Heat
- Kinetic Theory of Gases
- Continuity of State – Study of Real Gases
- Thermodynamics
- Entropy
- Thermodynamic Relations
- Production of Low Temperatures
- Transmission of Heat – Conduction
- Transference of Heat – Convection
- Radiation of Heat
- Elements of Statistical Mechanics
- Classical and Quantum Statistics.

Appendices



Edition: 5th, 2004

Pages: xx + 664

ISBN: 978-81-8054-259-9; (TC 577)

MRP: ₹ 350.00

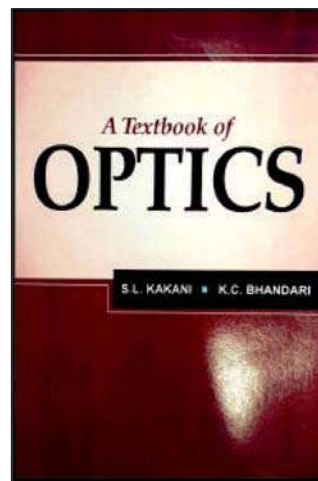
A Textbook of Optics

S.L. Kakani • K.C. Bhandari

Contents

Introduction: Nature of Light • Electromagnetic Waves • Interference (Division of Wavefront, Division of Amplitude) • Lasers and Holography (Quantum Optics) • Diffraction • Polarisation of Light • (Double Refraction, Production and Analysis of Polarised Light, Rotation of Plane of Polarisation) • Non-Linear Optics • Cardinal Point of a System of Coaxial Lenses • Dispersion of Light • Velocity of Light • Fermat's Principle • Photometry • Fibre Optics • Optical Instruments • Quantum Nature of Light • Matter Waves and Uncertainty Principle • Atomic Structure • Optical Phenomena • Elements of Crystal Structure and X-Rays • Special Theory of Relativity • Wave Mechanics.

Suggested Readings.



Edition: 15th, 2002

Pages: xvi + 564

ISBN: 978-93-5161-040-3; (TC 572)

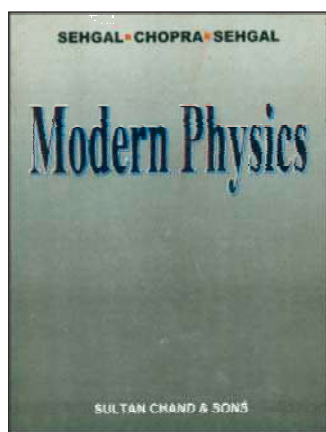
MRP: ₹ 395.00

Modern Physics

N.K. Sehgal • K.L. Chopra • D.L. Sehgal

Contents

Unit I – Electrical Conduction in Gases; Discharge Tube Phenomenon
Unit II – Cathode Rays • **Unit III** – Positive Rays and mass Spectrographs
Unit IV – Structure of the Atom • **Unit V** – The Vector Atom Model
Unit VI – Particle Properties of Waves • **Unit VII** – Wave nature of Matter
Unit VIII – Introduction to Quantum Mechanics • **Unit IX** – Application of Quantum Mechanics to 'Free State' Problems • **Unit X** – Application of Quantum Mechanics to Bound State Problems • **Unit XI** – The Nucleus
Unit XII – The Phenomenon of Radioactivity • **Unit XIII** – Introductory Statistical Physics • **Unit XIV** – Theory of Relativity • **Unit XV** – General Features of the Electron Tubes • **Unit XVI** – Rectifiers and Filters
Unit XVII – Amplifiers • **Unit XVIII** – Oscillators • **Unit XIX** – Semiconductors • **Unit XX** – Radio Communication • **Unit XXI** – Practical Electronic Devices.



Edition: 9th, 2004

Pages: xxviii + 748

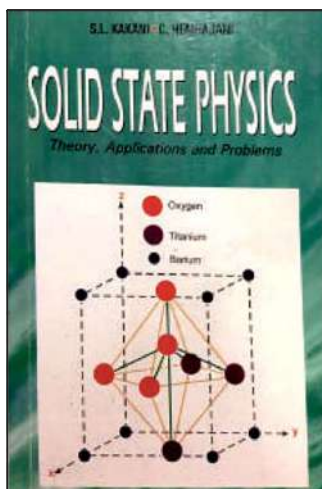
ISBN: 978-81-8054-952-6; (TC 591)

MRP: ₹ 350.00

Solid State Physics

Theory, Applications and Problems

S.L. Kakani • C. Hemarajani



Contents

Crystal Structure • Crystal Diffraction and The Reciprocal Lattice • Crystal Binding • Elastic Properties of Solids • Lattice Vibrations • Thermal Properties of Solids • Free Electron Theory of Metals • Band Theory of Metals • Semiconductors and Devices • Magnetism and Magnetic Materials • Dielectrics and Ferroelectrics, Optical Properties of Solids • Imperfections in Crystals • Magnetic Resonance • Super – conductivity • New Superconductors and High Temperature Superconductivity • Applications of Superconductivity • Superfluidity • Mossbauer Effect • Masers and Lasers • Optical Fiber • Quantum Statistics • Experimental Techniques • Group Theory.

Appendices A to C
Suggested Reading
Subject Index.

Edition: 4th, 2005

Pages: xviii + 1,056

ISBN: 978-81-8054-399-4; (TC 574)

MRP: ₹ 500.00

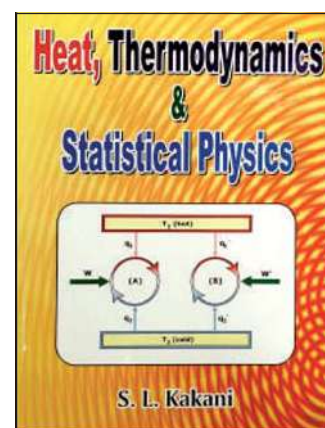
Heat, Thermodynamics & Statistical Physics

S.L. Kakani

Contents

Temperature and Thermometry • Ideal Gas, Isothermal and Adiabatic Processes, Specific Heat • Zeroth Law and First Law of Thermodynamics • Second Law of Thermodynamics and Entropy • Maxwell's Thermodynamic Relations and Phase Transition • Liquefaction of Gases and Production of Very Low Temperatures • Thermal Radiations, Quantum Theory of Radiations and Pyrometers • Quantum Theory of Specific Heats • Heat (Thermal) Conduction • Kinetic Theory of Gases and Transport Phenomena • Statistical Physics: Classical Statistics and M.B., F.D. and B.E. Distribution Laws • Quantum Statistics • Energy Equipartition Principle, Partition Functions and Ensembles • Statistical Mechanics of M.B., B.E. and F.D. Systems, Independent and Dependent Particle Systems and Imperfect Gases • Fluctuations and Non-Equilibrium States • Phase Transitions • The Ising Model.

Appendices



Edition: 2nd, 2009

Pages: xx + 560

ISBN: 978-81-8054-609-9; (TC 571)

MRP: ₹ 225.00



Textbook of Organic Chemistry

P.L. Soni • H.M. Chawla

Contents

Part I – General Organic Chemistry

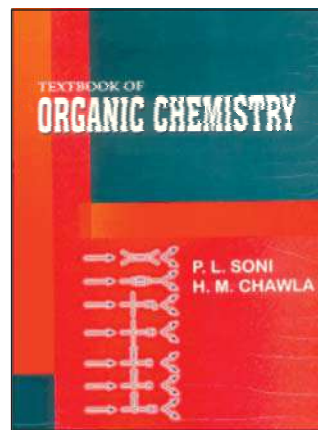
Part II – Organic Compounds

Part III – Aromatic Compounds

Part IV – Special Topics.

Appendix 1 – 9

Some Questions From University Examination.



Edition: 29th, 2007

Pages: xxiv + 1,704

ISBN: 978-81-8054-767-6 (TC 632)

MRP: ₹ 795.00

Textbook of Inorganic Chemistry

P.L. Soni • Mohan Katyal

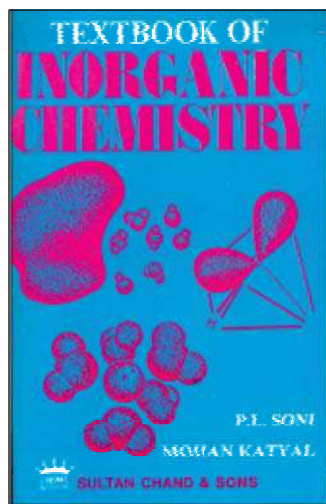
Contents

Part I: Chemical Principles – Introduction • Structure of Atom (Classical Model) • Structure of Atom (Modern Picture) • Classification of Elements • Nuclear Chemistry • Radioactivity and Nuclear Transformations • Theory of Chemical Bonding - I • Theory of Chemical Bonding - II • Structure of Solids • Oxidation-Reduction Reactions • Acids, Bases and Non-Aqueous Solvents • Standard Electrode Potentials.

Part II: Elements & Their Compounds – Principles and Processes of Metallurgy • Hydrogen • Water and Hydrogen Peroxide • The Elements of Group IA - (i & ii) • The Elements of Group IIA- (i & ii) • The p-Block Elements • Elements of Group IIIA - (i & ii) (ii) • Elements of Group IV – (i, ii, iii & iv) • Elements of Group VA (i, ii, iii & iv) • Elements of Group VIA (i, ii, iii & iv) • Elements of Group VIIA (i, ii, iii & iv) • Elements of Group Zero.

Part III: Transition Elements – The D-Block Elements • Coordination Compounds • Elements of Group IIIB • Elements of Group IVB • Elements of Group VB • Elements of Group VIB • Elements of Group VIIB • Elements of Group VIII (i & ii) • Elements of Group IB • Elements of Group IIB • Inner Transition or f-Block Elements • Analytical Aspects of D-Block Elements • Pollution.

Appendices, Index



Edition: 20th, 1991

Pages: xxiv + 1,632

ISBN: 978-81-8054-792-8 (TC 633)

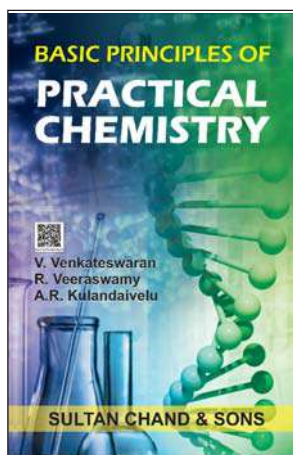
MRP: ₹ 800.00



Basic Principles of Practical Chemistry

V. Venkateswaran • R. Veeraswamy • A.R. Kulandaivelu

Contents



- Practical Inorganic Chemistry
- Volumetric Analysis
- Gravimetric Analysis
- Physical Chemistry Experiments
- Practical Organic Chemistry
- Reagents and Solutions
- Appendices
- References
- Logarithm Table
- Antilogarithm Table.

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Edition: 2nd, 1997

Pages: xvi + 352

ISBN: 978-81-8054-776-8; (TC 659)

MRP: ₹ 295.00

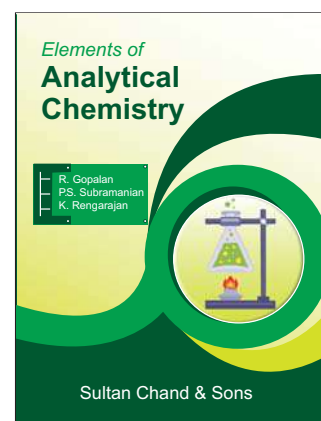
Elements of Analytical Chemistry

R. Gopalan • P.S. Subramanian • K. Rangarajan

Contents

Laboratory Hygiene and Safety • Analytical Balance • Laboratory Glassware • Data Analysis • Separation Techniques • Purification Techniques • Principles and Techniques of Semi-micro Methods • Principles of Volumetric Analysis • Principles of Gravimetric Analysis • Analytical Electrochemistry • Thermoanalytical Methods • Dipole Moment • X-ray Diffraction • Neutron Diffraction • Magnetic Properties • Colorimetric Analysis • Absorption Spectroscopy • Infrared Spectroscopy • Raman Spectroscopy • Photoelectron Spectroscopy • Flame Photometry & Atomic Absorption Spectroscopy • Mass Spectrometry • Applications of Isotopes in Analytical Chemistry • Nuclear Magnetic Resonance Spectroscopy • Electron Spin Resonance Spectroscopy • Experimental Techniques in Reaction Kinetics • Polarimetry • Organic Estimation • Analytical Chemistry in Consumer Protection.

Appendices



Chemistry

Edition: 3rd, 2003

Pages: viii + 400

ISBN: 978-81-8054-765-2; (TC 615)

MRP: ₹ 395.00

Textbook of Physical Chemistry

P.L. Soni • O.P. Dharmarha • U.N. Dash

Contents

Unit-I: Chemical Principles – Introduction • Structure of Atom • Structure of Atom (Modern Picture) • Classification of Elements • Nuclear Chemistry • Radioactivity and Nuclear Transformation • Chemical Bonding (i)—Classical Approach • Theory of Chemical Bonding (ii)—Modern Approach

Unit-II: States of Matter – The Gaseous State • Real Gases • Properties of Liquids • The Solid State

Unit-III: Thermodynamics-I – Introduction to Chemical Thermodynamics • The First Law of Thermodynamics • Thermochemistry • The Second Law of Thermodynamics • The Third Law of Thermodynamics • Chemical Equilibrium • Nernst Distribution Law • The Phase Rule

Unit-IV: Solutions – Solutions • Theory of Dilute Solutions

Unit-V: Surface Chemistry – Adsorption • The Colloidal State

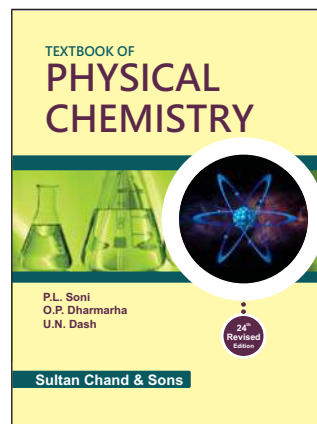
Unit-VI: Rates and Mechanisms – Chemical Kinetics • Catalysis • Photochemistry

Unit-VII: Electrochemistry – Electrolysis and Electrical Conductivity • Migration of Ions • Ionic Equilibria • Acids and Bases • Solubility Product and Hydrolysis • Electromotive Force

Unit-VIII: Structure of Molecules – Physical Properties and Chemical Constitution • Spectroscopy • Macromolecules

Unit-IX: Thermodynamics-II – Irreversible Thermodynamics • Statistical Thermodynamics.

Appendix, Index



Edition: 24th, 2023

Pages: xxiv + 1,608

ISBN: 978-81-951043-2-1 (TC 634)

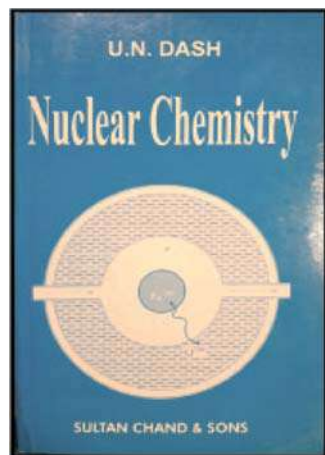
MRP: ₹ 1,250.00

Nuclear Chemistry

U.N. Dash

Contents

- Atomic and Nuclear Structure
- Radioactivity
- Radioactivity Decay and Growth
- Isotopes and their Separations
- Nuclear Reaction
- Nuclear Fission and Nuclear Energy Sources
- Isotope Effects and Isotopic Exchanges
- Radiation Chemistry
- Effects of Radiation on Matter
- Application of Nuclear Chemistry.



Edition: 1st, 1991

Pages: xxiv + 664

ISBN: 978-81-8054-778-2; (TC 610)

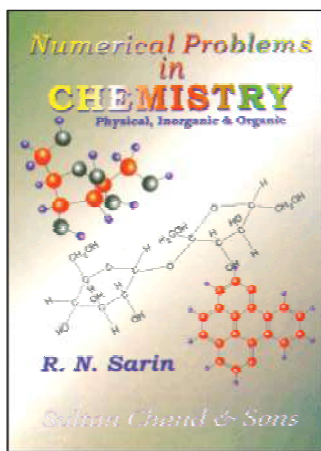
MRP: ₹ 200.00



Numerical Problems in Chemistry

Physical, Inorganic & Organic

R.N. Sarin



Contents

A – Physical and General Chemistry: Measurements, Significant Figures and Uncertainty in Measurements • Percentage Composition, Empirical and Molecular Formulae • Laws of Chemical Combination • Gas Laws, Kinetic Theory of Gases and Mole Concept • Molecular weight of Volatile Substances and Gases • Solutions, Colligative Properties and Molecular Weights of Non-Volatile Substances • Equivalent Weights and Electrochemistry • Atomic and Molecular Structures & Nuclear Reactions • Electrochemical Cells • Thermochemical & Thermodynamical Calculations • Chemical Kinetics and Reversible Reactions and Equilibria • Ionic Equilibria • Solid State.

B – Inorganic Chemistry: Periodic Classification of Elements • Chemical Bonding • Problems based on Equations • Redox Reactions and Oxidation Numbers • Miscellaneous Reactions and Problems on Analytical Chemistry.

C – Organic Chemistry: Estimation of Elements and Determination of Formulae of Organic Compounds • Nomenclature, Typical Reactions, Structural Formulae and Conversions in Organic Compounds.

Test your Understanding, Model Papers, Latest Question Papers, Appendix.

Edition: 28th, 2006

Pages: xvi + 964

ISBN: 978-81-8054-689-1 (TC 622)

MRP: ₹ 450.00

Analytical Chemistry

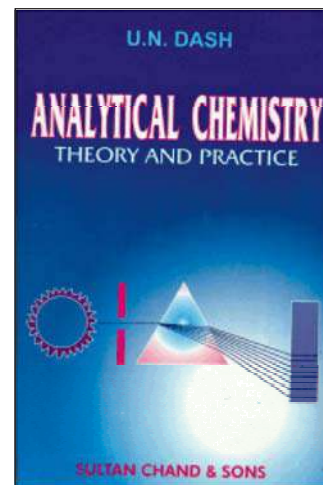
Theory and Practice

U.N. Dash

Contents

- Introduction
- Electromagnetic Radiation
- Ultraviolet Spectroscopy
- Infrared Spectroscopy
- Nuclear Magnetic Resonance Spectroscopy
- Mass Spectrometry
- Mössbauer Spectroscopy
- Electron Spin Resonance Spectroscopy
- Refractometry and Polarimetry
- Radiometry
- Chromatography
- Polarography
- Thermoanalytical Methods.

*Author Index
Subject Index.*



Edition: 3rd, 2013

Pages: xx + 672

ISBN: 978-81-8054-953-3; (TC 609)

MRP: ₹ 297.00

Principles of Reaction Mechanism in Organic Chemistry

V.S. Parmar • H.M. Chawla

Contents

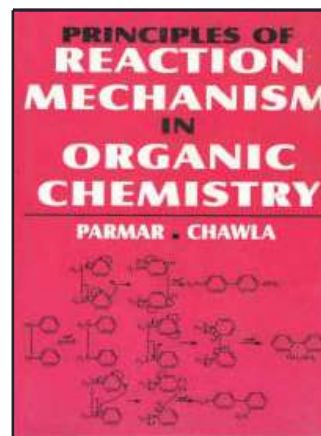
Part I – Atomic Architecture • Molecular Framework • Shapes of Organic Molecules • Configuration and Conformation Stereochemistry • Possibility of a Chemical Reaction • Reaction Rates and Energetics • Types of Organic Reactions and Reagents • Scale of Acidity and Related Concepts.

Part II – Nucleophilic Substitution at the saturated Carbon Atom • Addition to Multiple Bonds • Aromaticity and Aromatic Substitution • Elimination Reactions • Carbonium Ions and Carbanions • Unstable – Uncharged, Intermediates; Free Radicals • Molecular Rearrangements, Tautomerism • Woodward – Hoffmann Rules of Orbital Symmetry: Pericyclic Reactions.

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Edition: 2nd, 2016

Pages: xvi + 456

ISBN: 978-81-8054-672-3; (TC 621)

MRP: ₹ 300.00

Organic Photochemistry

Malti Dubey (Rawat)

Contents

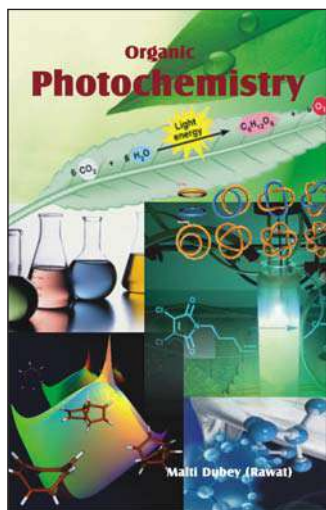
- Photochemistry
- Determination of Reaction Mechanism
- Photochemistry of Alkenes
- Photochemistry of Carbonyl Compounds
- Miscellaneous Photochemical Reactions.

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Edition: 1st, 2013

Pages: xxiv + 120

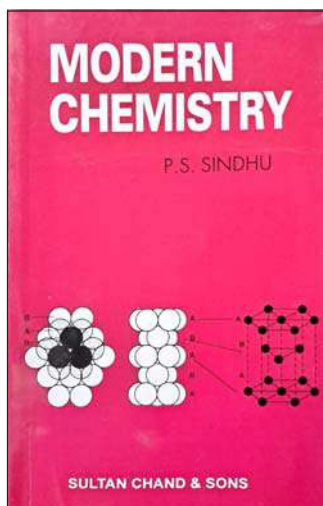
ISBN: 978-81-7211-325-0

MRP: ₹ 350.00



Modern Chemistry

P.S. Sindhu



Contents

Section A: Structure of Atoms, Molecules and Solids

- Structure of Atoms
- Covalent Bonding
- Packing in Crystals
- Conductivity of Solids
- Weak Chemical Forces
- The Electronic Structure of Transition Metal Complexes
- Some Properties of Coordination Complexes

Section B: Organic Chemistry

- Stereochemistry
- Reaction Mechanism in Organic Chemistry
- Functional Group Chemistry
- Some Name Reactions
- Polymerization - An Overview

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- Practical Chemistry.

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Edition: 2nd, 2001

Pages: xvi + 472

ISBN: 978-81-8054-823-9 (TC 629)

MRP: ₹ 275.00

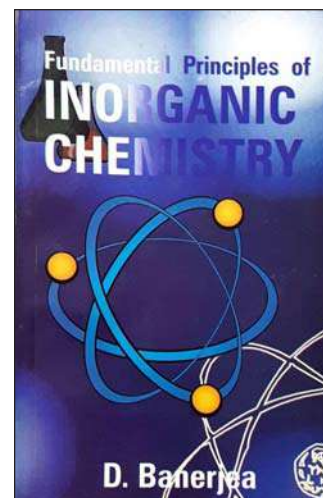
Fundamental Principles of Inorganic Chemistry

D. Banerjee

Content

- Periodic Classification of Elements
- Structure of the Atom
- The Nucleus
- Valency: Introduction and General Concepts
- Electrovalency
- Covalency
- The Metallic Bond
- General Theories of Acids and Bases
- Oxidation and Reduction
- Non-Aqueous Solvents
- Theory of Metal – Ligand Bond Properties of Coordination Compounds
- Organometallic Compounds of Transition Elements
- Role of Metal Complexes in Biological Systems
- Inorganic and Coordination Polymers
- Mechanisms of Inorganic Reactions.

*Appendixes (I-IV)
Subject Index.*



Edition: 3rd, 1993

Pages: xii + 652

ISBN: 978-81-7014-815-4 (TC 605)

MRP: ₹ 125.00

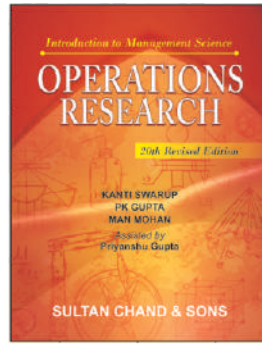
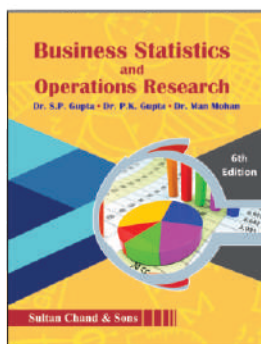
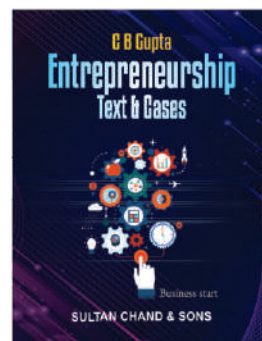
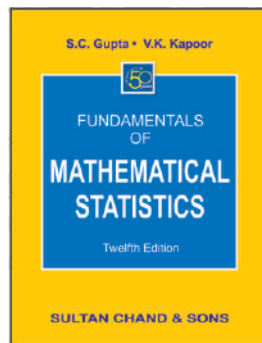
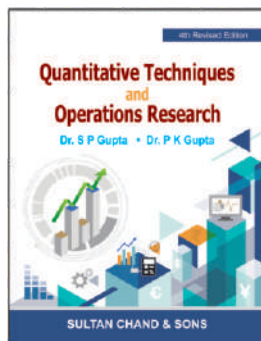
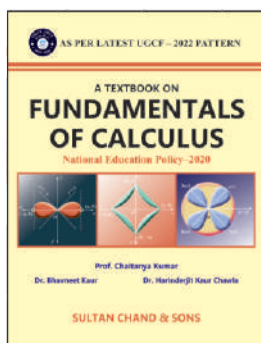
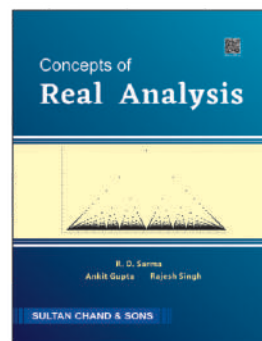
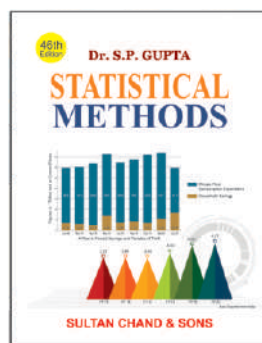
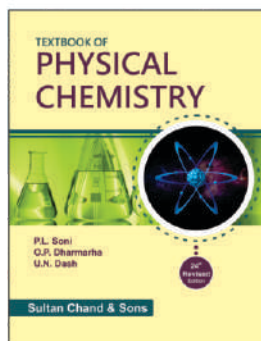
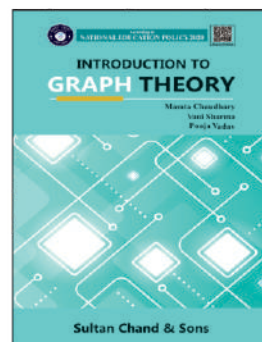
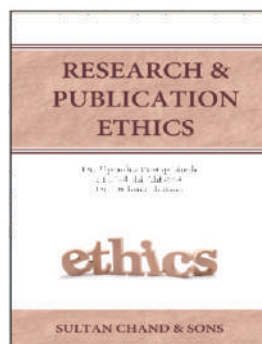
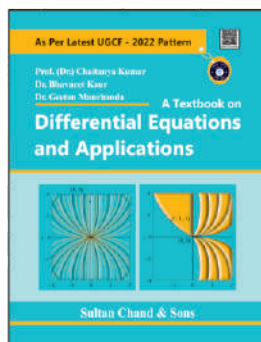
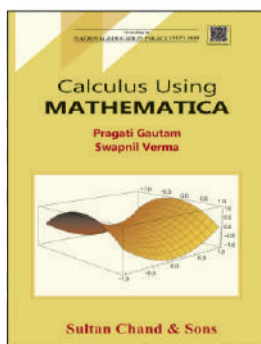
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Author(s) / Book Title	MRP (₹)	Author(s) / Book Title	MRP (₹)	Author(s) / Book Title	MRP (₹)
Acharya AR		Ahuja Anjali		Pathak SC	
Suvichara Shatakam	10.00	Wit & Wisdom of 100 Great Personalities	15.00	Perennial Thoughts for Self-Development	15.00
Aggarwal RN		Noble Thoughts on 100 Great Topics	25.00	Pradhan Atul Chandra	
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How to Achieve Success and Happiness	30.00	Bhikshu Devesh		Let us Build a New India	20.00
Aggarwal Usha		Humanity	7.50	Ram Jitendra Kumar	
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Hasya – Sukhad Jiwan Lasya (हास्य – सुखद जीवन लास्य)	30.00	How to be Happy	15.00	Sahni AK	
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Saphalta (सफलता)	40.00	Magic of Motivation	10.00	Arise, Awake and Stop Not ...	12.50
Mana (मन)	35.00	Education	15.00	Shah Prakash J	
Duniya Aapkey Hath, Parishram Ke Sath (दुनियाँ आपके हाथ, परिश्रम के साथ)	35.00	What is Success	7.50	Twelve Books that can Change Your Life	20.00
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