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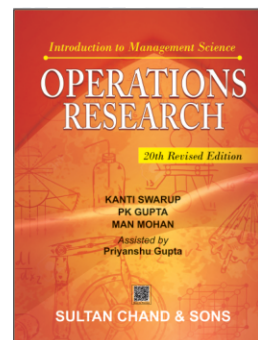
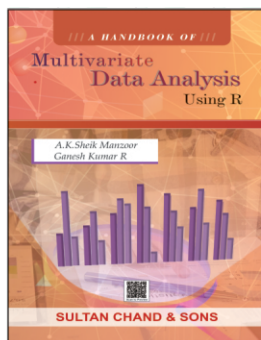
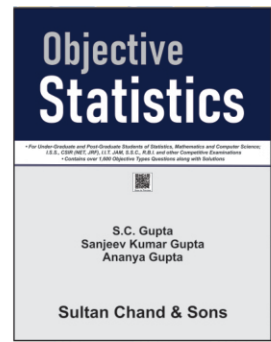
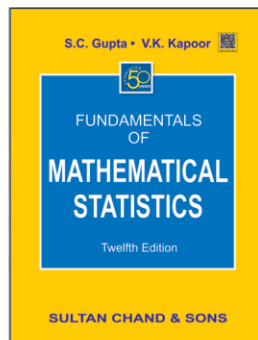
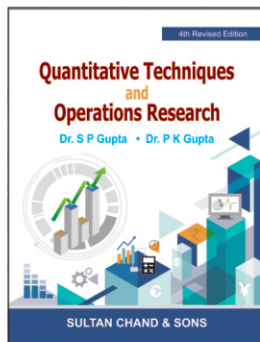
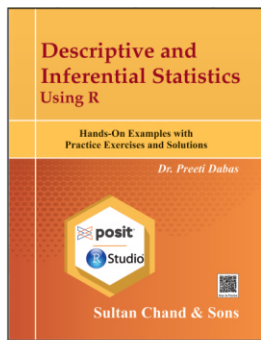
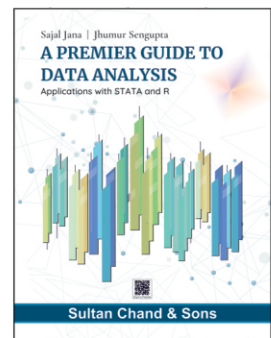
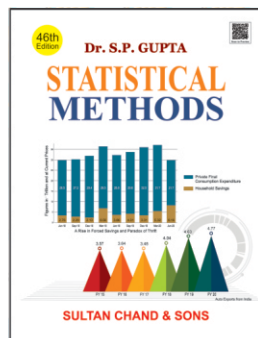
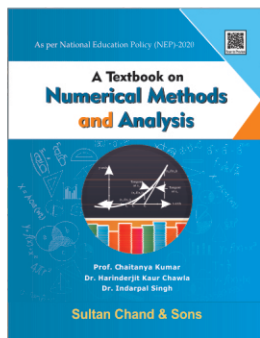
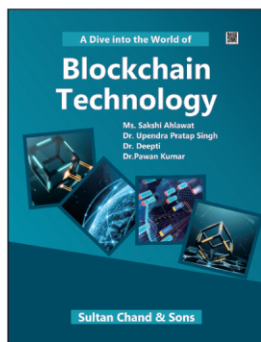
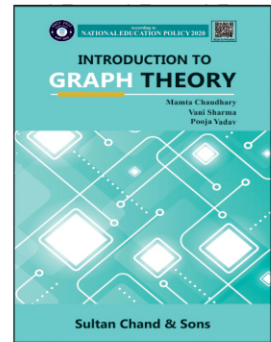
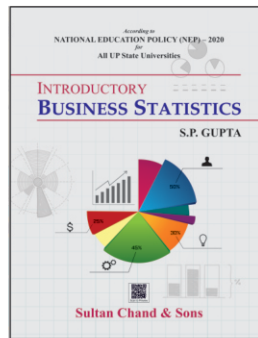
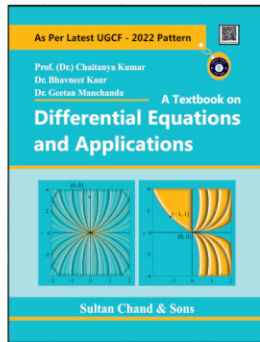
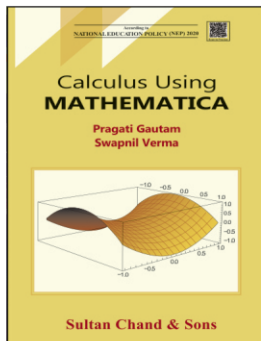


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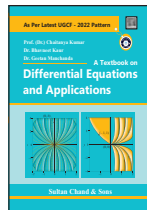
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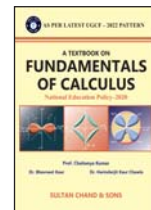
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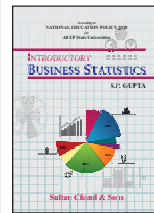
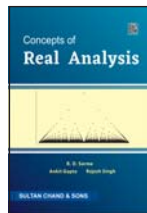
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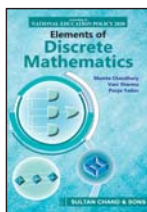
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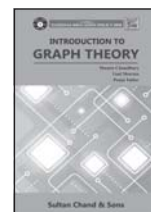
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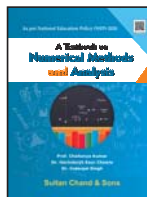
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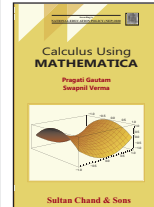
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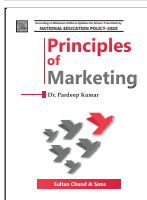
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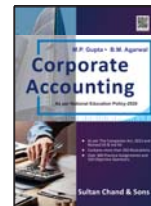
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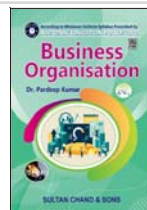
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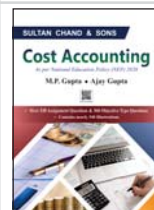
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<i>Title</i>	<i>Author(s)</i>	<i>TC</i>
<b>Accountancy &amp; Taxation</b>		
Advanced Accountancy, Vol. I (Financial Accounting)	<i>M.P. Gupta &amp; B.M. Agarwal</i>	1241
Advanced Accountancy, Vol. II (Corporate Accounting)	<i>M.P. Gupta &amp; B.M. Agarwal</i>	1251
Advanced Accountancy – Vol. I	<i>R.L. Gupta &amp; M. Radhaswamy</i>	040
Advanced Accountancy – Vol. II	<i>R.L. Gupta &amp; M. Radhaswamy</i>	041
Advanced Cost and Management Accounting Textbook	<i>V.K. Saxena &amp; C.D. Vashist</i>	114
A Textbook of Income Tax: Law and Practice (AY 2024-25)	<i>Anita Raman &amp; A. Lydia Arockia Mary</i>	1311
Corporate Accounting	<i>M.P. Gupta &amp; B.M. Agarwal</i>	1300
Corporate Accounting	<i>R.L. Gupta &amp; M. Radhaswamy</i>	1052
Cost Accounting	<i>M.P. Gupta &amp; Ajay Gupta</i>	1306
Cost & Management Accounting	<i>M.P. Gupta &amp; Ajai Gupta</i>	1261
Financial Accounting (NEP)	<i>M.P. Gupta &amp; B.M. Agarwal</i>	1270
Financial Accounting	<i>R.L. Gupta &amp; V.K. Gupta</i>	031
Financial and Management Accounting	<i>S.N. Maheshwari, Suneel K. Maheshwari &amp; CA Sharad K. Maheshwari</i>	825
Goods & Services Tax with Customs Law	<i>Vineet Gupta and N.K. Gupta</i>	006
Income Tax Law and Practice (Assessment Year 2024-25)	<i>Preeti Rani Mittal &amp; Anshika Bansal</i>	007
Indirect Taxation Goods and Services Tax and Customs Law	<i>V. Balachandran</i>	249
Principles and Practice of Auditing	<i>Dinkar Pagare</i>	101
Principles of Management Accounting	<i>S.N. Maheshwari, Suneel K. Maheshwari &amp; CA Sharad K. Maheshwar</i>	091
Textbook of GST & Customs Law	<i>V. Balachandran</i>	027
<b>Economics</b>		
Introduction to Econometrics	<i>Jhumur Sengupta</i>	1280
The Indian Economy: Environment & Policy	<i>I.C. Dhingra</i>	379
Managerial Economics (Text, Problems & Cases)	<i>R.L. Varshney &amp; K.L. Maheshwar</i>	454
Managerial Economics Analysis, Problems, and Cases	<i>P.L. Mehta</i>	411
Mathematics for Economists	<i>B.C. Mehta &amp; G.M.K. Madnani</i>	409
Modern Macroeconomics: Theory & Practice	<i>Amritkant Mishra</i>	1286
<b>Law</b>		
101 Leading Judgements That Shaped India's Progressive Jurisprudence	<i>Sushma Singh, Ravi Chandra Prakash &amp; Subhadarsini Patra Subhasmita</i>	1297
Alternate Dispute Resolution: Concepts and Methods	<i>Kush Kalra</i>	1293
Banking Law & Practice	<i>P.N. Varshney</i>	332
Banking Theory Law & Practice	<i>K.P.M. Sundharam &amp; P.N. Varshney</i>	336
Business Law (All India Edition)	<i>N.D. Kapoor</i>	283

<i>Title</i>	<i>Author(s)</i>	<i>TC</i>
Business Law	<i>N.D. Kapoor</i>	1160
Constitutional Law of India	<i>Kush Kalra &amp; Bhanu Tanwar</i>	1283
Company Law and Secretarial Practice	<i>N.D. Kapoor</i>	288
Elements of Company Law	<i>N.D. Kapoor</i>	1226
Elements of Industrial Law	<i>N.D. Kapoor</i>	297
Elements of Mercantile Law	<i>N.D. Kapoor</i>	278
Industrial Relations and Labour Laws	<i>P.C. Tripathi, C.B. Gupta &amp; N.D. Kapoor</i>	1162
Legal Systems in Business, B.Com., MBA	<i>N.D. Kapoor</i>	1166
The Crime of Honour Killing: A Critical Analysis of the Law in India	<i>Sulakshana Banerjee Mukherjee</i>	1304
White Collar Crimes in India: A Concordance	<i>Sulakshana Banerjee Mukherjee</i>	1282
<b>Management</b>		
Basic Financial Management	<i>R.P. Rustagi</i>	1151
Business Management	<i>C.B. Gupta</i>	159
Business Organisation and Management	<i>C.B. Gupta</i>	169
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Digital Marketing	<i>K.G. Babu Raja Sabarish, B. Anbazhagan &amp; S. Meenakumari</i>	1292
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Fundamentals of Business Organisation & Management	<i>Y.K. Bhushan</i>	131
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Human Resource Management (Text & Cases)	<i>C.B. Gupta</i>	163
Investment Management (Theory & Practice)	<i>Dr. R.P. Rustagi</i>	1058
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Marketing	<i>N. Rajan Nair &amp; Sanjith R. Nair</i>	185
Marketing Management Text & Cases	<i>C.B. Gupta &amp; N. Rajan Nair</i>	187
Organizational Behaviour	<i>L.M. Prasad</i>	211
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Principles and Practice of Management	<i>L.M. Prasad</i>	209
Principles of Management	<i>Dinkar Pagare</i>	199
Securities Market & Regulations	<i>V. Balachandran</i>	1288

## Environmental Studies An Analytical View

Dr. Suman Gupta

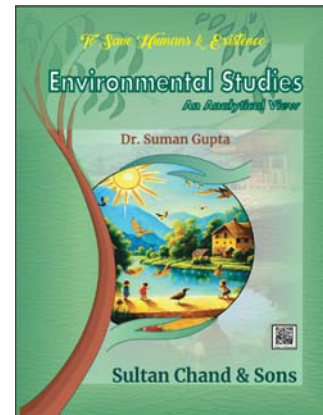
### Contents

- Introduction to Environmental Studies
- Natural Resources: Renewable and Non-Renewable Resources
- Ecosystems
- Biodiversity and Conservation
- Environmental Pollution and Disasters
- Environmental Issues, Policies and Practices
- Human Communities and the Environment
- Important Issues of the Environment
- Field Work

*Model Papers with Answers*

*Objective Type Questions with Answers*

*Glossary & References*



*Edition: 1st, 2024*

*Pages: xxxii + 288*

ISBN: 978-93-91820-52-7; (1298)

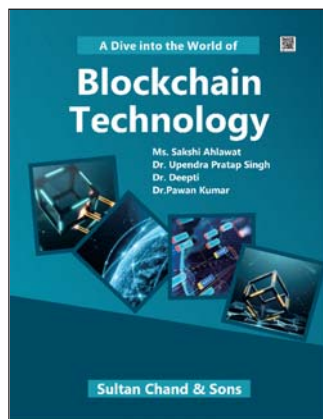
MRP: ₹ 295.00

## A Dive into the World of Blockchain Technology

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

### Contents

- Blockchain for Beginners • Bitcoins or Genesis of Blockchain Technology
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- 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



*Edition: 1st, 2023*

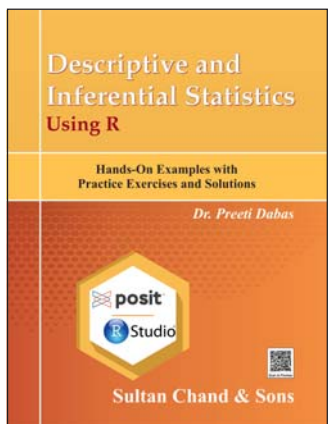
*Pages: xxiv + 320*

ISBN: 978-93-91820-24-4; (TC 1278)

MRP: ₹ 395.00

## Descriptive and Inferential Statistics using R

Dr. Preeti Dabas



### Contents

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• Handshake with RStudio

**Part I: Univariate Analysis** – Univariate Analysis: Only One Variable

**Part II: Bivariate Analysis** – Bivariate Analysis: With Binary Dependent Variable • Bivariate Analysis: With Nominal Dependent Variable • Bivariate Analysis: With Ordinal Dependent Variable • Bivariate Analysis: With Metric Dependent Variable • Bivariate Analysis: With Two Paired Variables

**Part III: Multivariate Analysis** – Multivariate Analysis: With Binary Dependent Variable • Multivariate Analysis: With Nominal Dependent Variable • Multivariate Analysis: With Ordinal Dependent Variable • Multivariate Analysis: With Metric Dependent Variable

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ISBN: 978-93-91820-80-0 (TC-1307)

MRP: ₹ 450.00

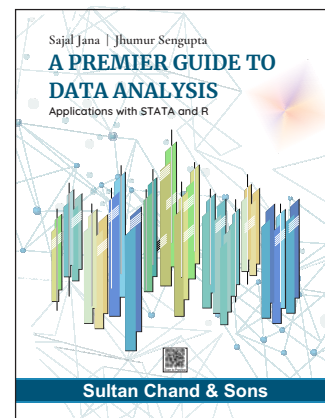
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Sajal Jana • Jhumur Sengupta

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- Data Management and Data Source
- Basic Data Analysis
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- An Introduction to STATA
- An Introduction to R
- Distribution Functions
- Sampling Techniques and Survey Design
- Index Number
- Hypothesis Testing and Statistical Inference
- Linear Correlation and Regression
- Time Series, Panel and Non-Linear Regression Model
- Analysis of National Accounts Statistics in RStudio
- Analysis of National Sample Survey Data Using STATA
- Reserve Bank of India Data Analysis in STATA
- Analysis of Census Data Using RStudio



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ISBN: 978-93-91820-89-3 (TC-1281)

MRP: ₹ 495.00



## A Textbook on Differential Equations and Applications

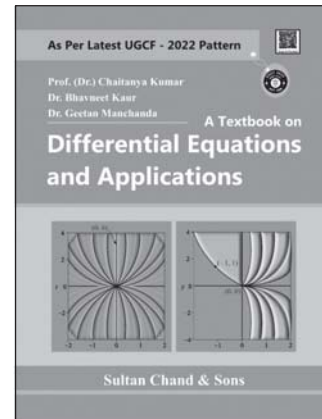
*As per Latest UGCF - 2022 Pattern*

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

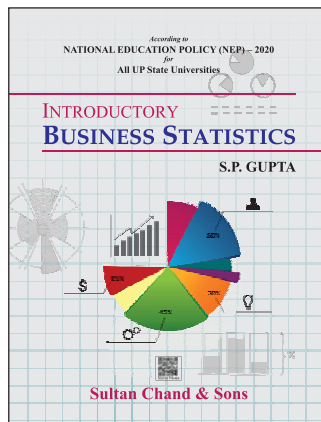
ISBN: 93-91820-32-9; (TC 1289)

MRP: ₹ 550.00

## Introductory Business Statistics

*According to National Education Policy 2020*

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*

*Appendix*

*Edition:* 1st, 2023

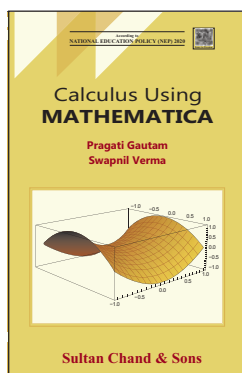
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# Calculus Using MATHEMATICA

Pragati Gautam • Swapnil Verma



## Contents

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- 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*

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*Pages:* xvi + 272

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

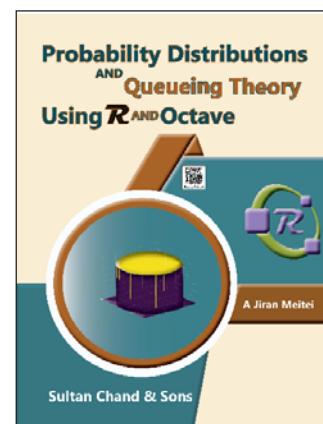
MRP: ₹ 250.00

# 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



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*Pages:* xviii + 638

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

MRP: 550.00

## 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 •  $\chi^2$  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.*



*Edition:* 46th, 2021

*Pages:* xxiv + 1,304

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

MRP: ₹ 795.00

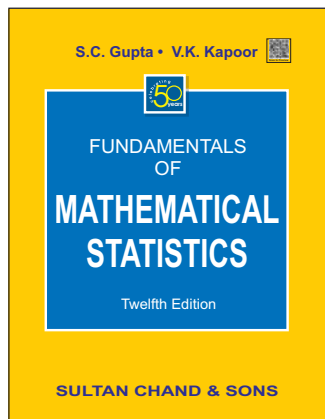
## Fundamentals of Mathematical Statistics

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 [ $\chi^2$  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.*



*Edition:* 12th, 2020

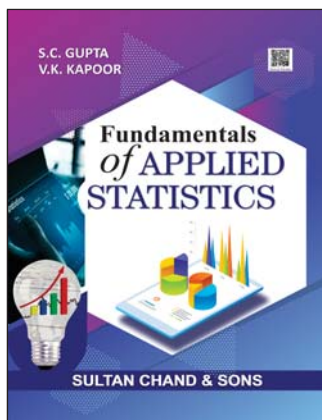
*Pages:* xx + 1,322

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.

Edition: 4th, 2007

Pages: xvi + 712

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

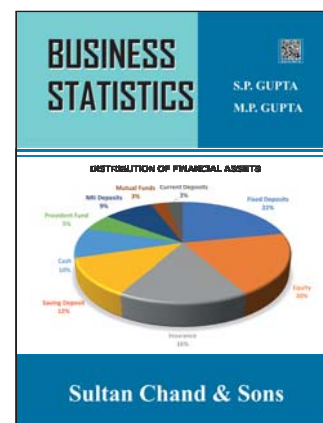
MRP: ₹ 625.00

## 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

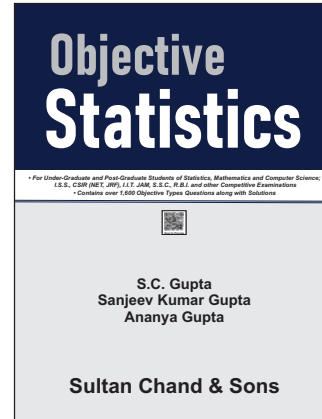
## Objective Statistics

- For Under-Graduate and Post-Graduate Students of Statistics, Mathematics and Computer Science; I.S.S., CSIR (NET, JRF), I.I.T. JAM, S.S.C., R.B.I. and other Competitive Examinations
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S.C. Gupta • Sanjeev Kumar Gupta • Ananya Gupta

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Edition: 1st, 2024

Pages: xvi + 928

ISBN: 978-93-91820-59-6; (TC-1272)

MRP: ₹ 795.00

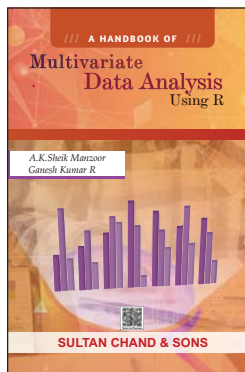
## A Handbook of Multivariate Data Analysis Using R

A.K. Sheik Manzoor • Ganesh Kumar R

### Contents

- Introduction to Multivariate Data Analysis
- Assessing the Characteristics of Data
- Multiple Linear Regression
- Discriminant Analysis
- Logistic Regression
- MANOVA
- Conjoint Analysis
- Cluster Analysis
- Multidimensional Scaling
- Correspondence Analysis
- Exploratory Factor Analysis
- Confirmatory Factor Analysis
- Structural Equations Modelling.

Glossary



Edition: 1st, 2024

Pages: vi + 130

ISBN: 978-93-91820-84-8 (TC 1308)

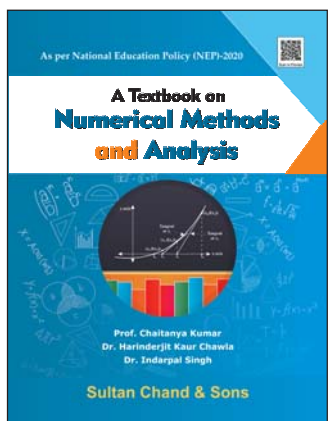
MRP: ₹ 225.00



## A Textbook on Numerical Methods and Analysis

According to National Education Policy (NEP)-2020

Prof. Chaitanya Kumar • Dr. Harinderjit Kaur Chawla • Dr. Indarpal Singh



### Contents

- Basic Elements of Numerical Methods and Error Analysis
- Methods for Solving Algebraic and Transcendental Equations
- Techniques to Solve System of Linear Algebraic Equations
- Finite Differences and Interpolation
- Numerical Differentiation
- Numerical Integration
- Numerical Solution of Ordinary Differential Equations
- Practicals in Numerical Analysis

University Question Paper-2021

University Question Paper-2022

University Question Paper-2023

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Pages: xii + 236

ISBN: 978-93-91820-83-1 (TC-1313)

MRP: ₹ 245.00

## Problems & Solutions in Mathematical Statistics

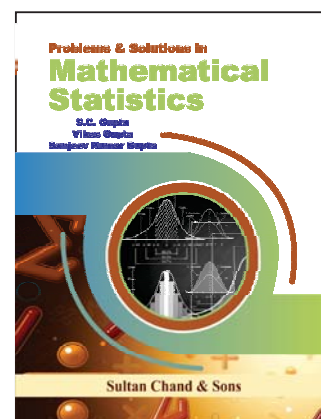
S.C. Gupta • Vikas Gupta • Sanjeev Kumar Gupta

### 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
- Correlation
- 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

ISBN: 978-93-5161-086-1 (TC 1232)

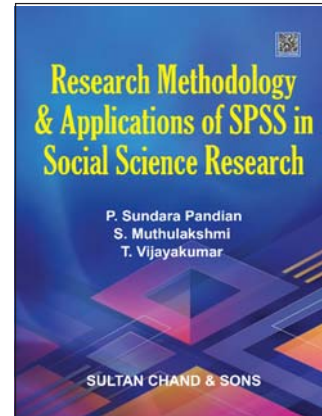
MRP: ₹ 495.00

## Research Methodology & Applications of SPSS in Social Science Research

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

### Contents

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



### Bibliography

*Edition:* 1st, 2022

*Pages:* xxxvi + 324

ISBN: 978-93-91820-18-3; (TC 1256)

MRP: ₹ 350.00

## Modern Approach to Fundamentals of Statistics

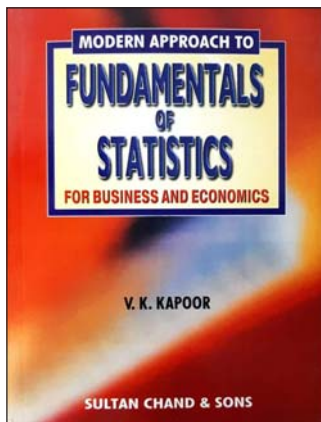
For Business and Economics

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.



*Edition:* 1st, 2005

*Pages:* xii + 876

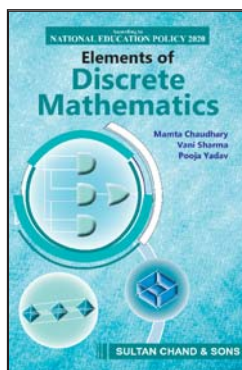
ISBN: 978-81-8054-797-3 (TC 1042)

MRP: ₹ 295.00

## 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.

*Miscellaneous Questions*  
*Question Papers.*

Edition: 1st, 2022

Pages: xvi + 256

ISBN: 978-93-91820-28-2 (TC 1265)

MRP: ₹ 295.00

## Introduction to Graph Theory

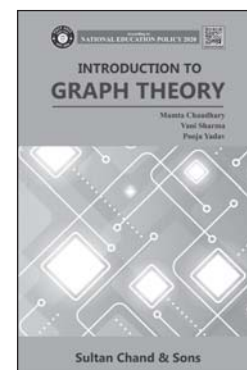
According to National Education Policy-2020

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

## 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

- Improper Integrals
- Sequence of Functions
- Series of functions and Power Series.

#### Part – II

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

*Appendix A: Tools for Curve Tracing*

*Appendix B: Tracing of Rational and Polar Curves*

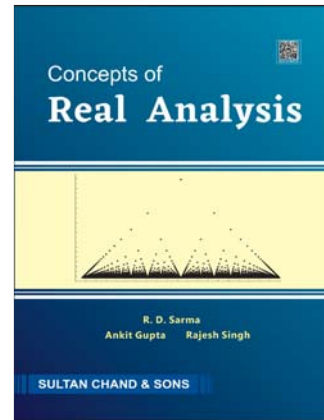
*Hints/Answers of the Exercises*

*Bibliography*

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#### Part – III

- Riemann Integration



Edition: 1st, 2023

Pages:  $x + 678$

ISBN: 978-93-91820-27-5 (TC 1266)

MRP: ₹ 595.00

## A Textbook on Fundamentals of Calculus

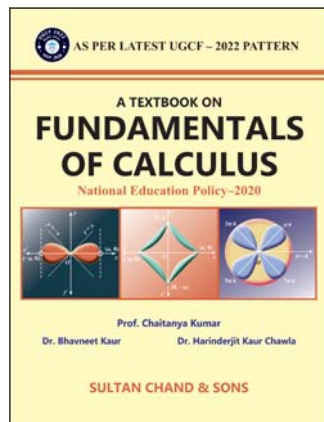
As per Latest UGCF – 2022 Pattern Based on NEP-2020

Prof. Chaitanya Kumar • Dr. Bhavneet Kaur • Dr. Harinderjit Kaur Chawla

### Contents

- 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.*



Edition: 1st, 2022

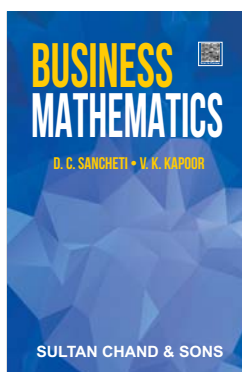
Pages:  $xvi + 320$

ISBN: 978-93-91820-01-5 (TC 1269)

MRP: ₹ 350.00

## Business Mathematics

D.C. Sancheti • V.K. Kapoor



### Contents

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

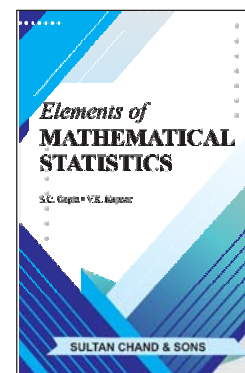
## Elements of Mathematical Statistics

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

ISBN: 978-81-8054-700-3 (TC 501)

MRP: ₹ 275.00



## Business Statistics & Business Mathematics

Dr. S.P. Gupta • Dr. P.K. Gupta

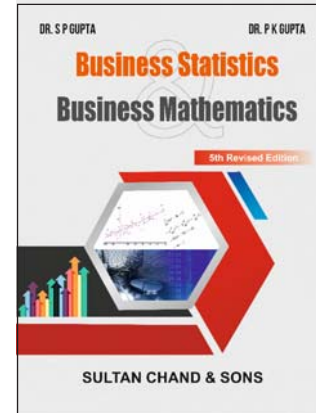
### Contents

**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

*Pages:* xxxii + 744

ISBN: 978-93-5161-143-1 (TC 1131)

MRP: ₹ 650.00

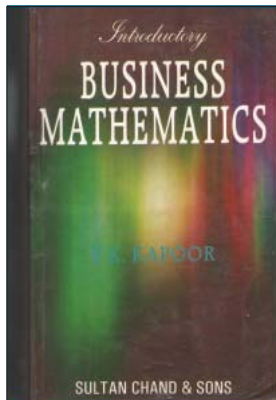
## Introductory Business Mathematics

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

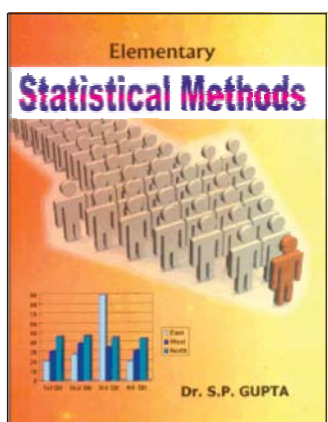
*Pages:* xvi + 858

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

MRP: ₹ 325.00

## 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 Mathematics

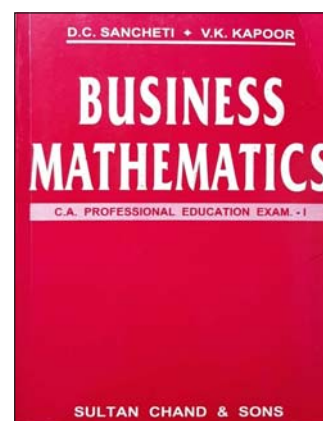
*C.A. Professional Education Exam.-I*

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

*Pages:* xii + 492

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.



Edition: 6th, 2022

Pages: xvi + 768

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

MRP: ₹ 595.00

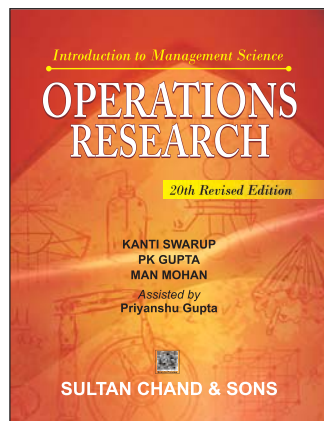
## Introduction to Management Science Operations Research

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

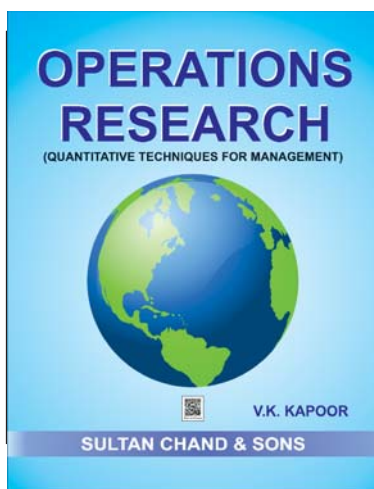
ISBN: 978-93-5161-183-7 (TC 525)

MRP: ₹ 795.00

## 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)

MRP: ₹ 625.00

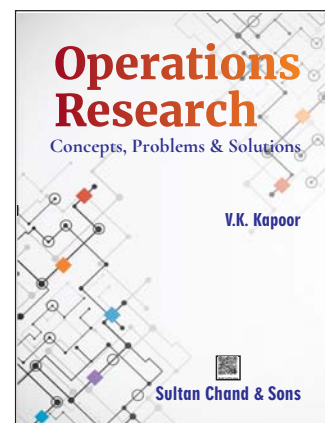
## Operations Research

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

Pages: xvi + 640

ISBN: 978-81-8054-854-3 (TC 532)

MRP: ₹ 595.00

# Quantitative Techniques and Operations Research

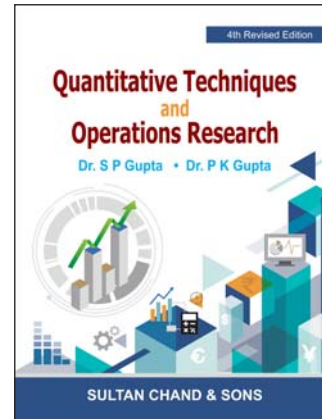
Dr. S.P. Gupta • Dr. P.K. Gupta

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**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

Pages: xvi + 600

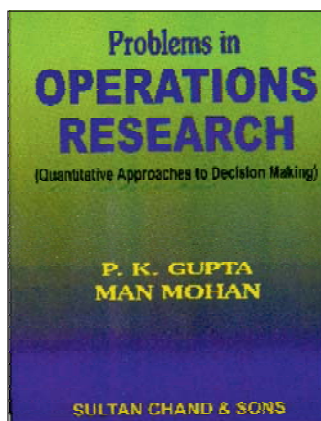
ISBN: 978-93-5161-182-0 (TC 1017)

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

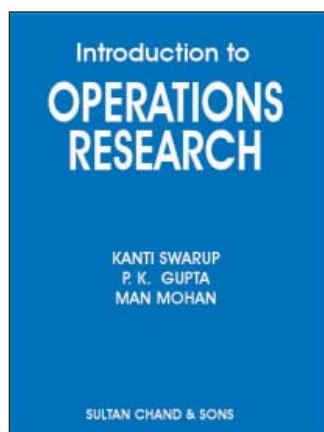
ISBN: 978-93-5161-007-6 (TC 495)

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
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- Appendices Statistical Tables  
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Edition: 5th, 2005

Pages: xvi + 376

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

MRP: ₹ 80.00

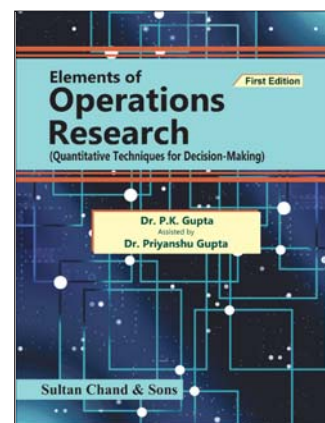
## Elements of Operations Research

(Quantitative Techniques for Decision-Making)

Dr. P.K. Gupta

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- 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



Edition: 1st, 2022

Pages: xvi + 472

ISBN: 978-93-91820-46-6 (TC 1268)

MRP: ₹ 395.00



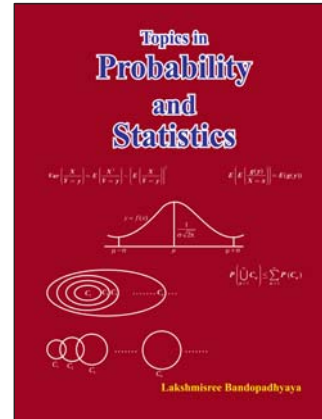
## Topics in Probability and Statistics

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.*



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*Pages:* xiv + 250

ISBN: 978-81-7211-370-4

MRP: ₹ 300.00

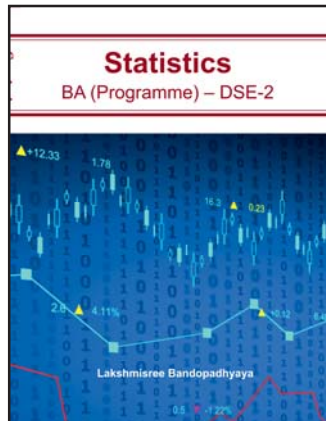
## Statistics

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.



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*Pages:* xiv + 202

ISBN: 978-81-7211-377-3

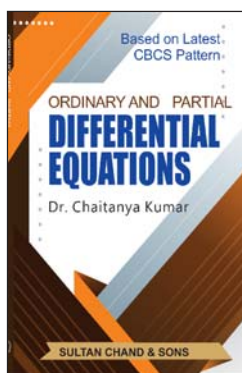
MRP: ₹ 250.00

## 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.

Examination Papers.

Edition: 1st, 2021

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MRP: ₹ 250.00

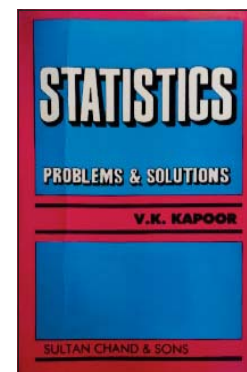
## Statistics

Problems & Solutions

V.K. Kapoor

### Contents

- Classification and Tabulation
- Averages
- Dispersion, Skewness & Kurtosis
- Correlation
- Regression
- Index Numbers
- Time Series
- Probability
- Statistical Decision Theory
- Theoretical Distributions
- Sampling & Test of Significance
- Chi-Square Test
- F-Test and Analysis of Variance
- Association of Attributes
- Multiple & Partial Correlation.



Edition: 7th, 2000

Pages: viii + 800

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

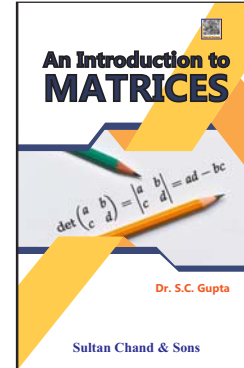
MRP: ₹ 175.00

## An Introduction to Matrices

Dr. 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*  
*Index.*

*Edition:* 1st, 1978

*Pages:* viii + 288

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

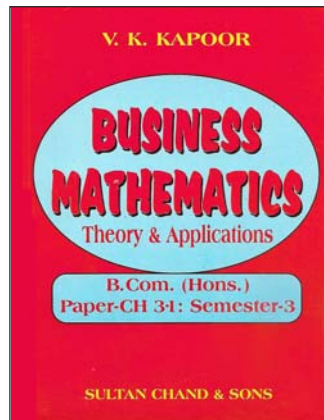
MRP: ₹ 275.00

## Business Mathematics

Theory and Applications

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

V.K. Kapoor



### Contents

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

*Edition:* 19th, 2012

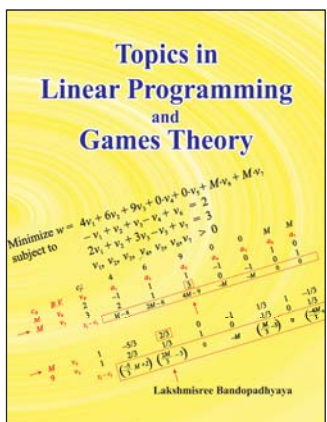
*Pages:* xvi + 508

ISBN: 978-81-8054-925-0; (TC 1193)

MRP: ₹ 350.00

## 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
- Assignment Problems

**Section 4 Games:** Games Theory.

*Edition:* 3rd, 2016

*Pages:* xviii + 334

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MRP: ₹ 300.00

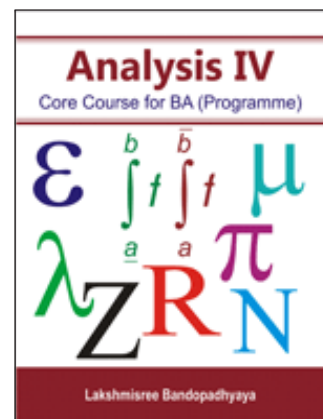
## Analysis IV

Core Course for BA (Programme)

Lakshmisree Bandopadhyaya

### Contents

- I. Properties of Real Numbers, Continuous Functions and Uniformly Continuous Functions
- II. Sequence and Series
- III. Riemann Integral.



*Edition:* 1st, 2018

*Pages:* x + 106

ISBN: 978-81-7211-376-5

MRP: ₹ 200.00

## Introductory Calculus with Geometry

for B.Sc. (Hons.), First Semester as per Syllabus of University of Delhi

Pradip Narain • Tajender Singh Saluja

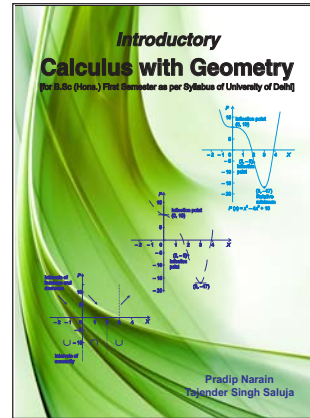
### Contents

**Section I** – Hyperbolic Functions • Leibniz Rule and its Applications • 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.



Edition: 1st, 2014

Pages: xxii + 512

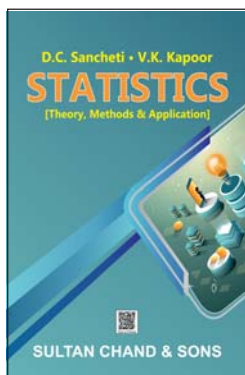
ISBN: 978-81-7211-345-5

MRP: ₹ 400.00

## 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

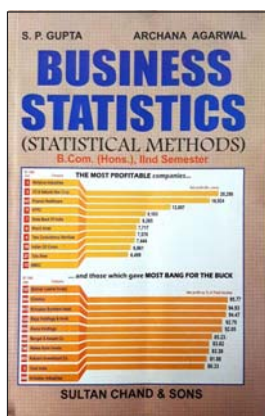
Pages: xii + 1447

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

MRP: ₹ 695.00

## Business Statistics (Statistical Methods)

S.P. Gupta • Archana Agarwal



### Contents

- Business Statistics – What and Why
- Classification and Tabulation of Data
- 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.*

Edition: 10th, 2016

Pages: xvi + 732

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

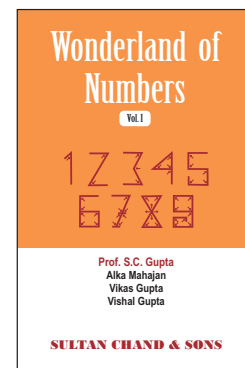
MRP: ₹ 425.00

## Wonderland of Numbers – Vol. I

Prof. S.C. Gupta • Alka Mahajan • Vikas Gupta • Vishal Gupta

### Contents

- Numbers – Meaning and Classification
- Digits: (0, 1, 2, ..., 8, 9)
- Mathematical Tricks
- Some Interesting Numbers
- Arithmetic Potpourri (Marvels in Arithmetic)
- Square Numbers
- Cube Numbers
- Srinivas Aiyenger Ramanujan (FRS) and His Contributions to Mathematics.



Edition: 1st, 2022

Pages: xvi + 400

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

MRP: ₹ 400.00

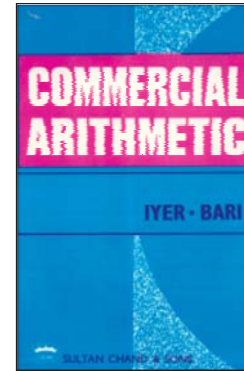


## Commercial Arithmetic

B.G. Iyer • S.A. Bari

### Contents

- Rapid Methods of Calculations
  - Ratio, Proportion and Percentage
  - Commission, Brokerage and Discount
  - Insolvency
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  - Joint Stock Companies
  - Foreign Bills
  - Indices and Logarithms
  - Simple and Compound Interest
  - Installment Buying
  - Simple Annuities
  - Present Worth and Discount
  - Profit and Loss
  - 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)

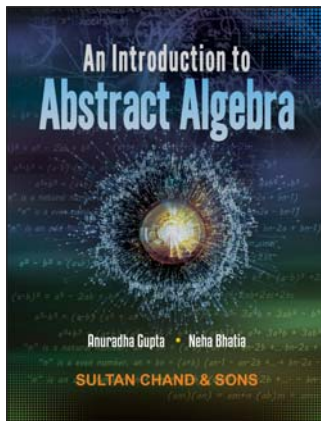
MRP: ₹ 175.00

## 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.



*Bibliography*  
*Index.*

Edition: 1st, 2021

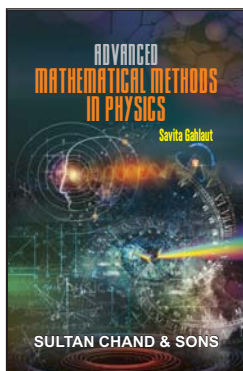
Pages: xii + 284

ISBN: 978-81-954071-8-7; (TC 1255)

MRP: ₹ 250.00

## Advanced Mathematical Methods in Physics

Savita Gahlaut



### Contents

- Sets, Relations and Operations
- Matrices and Determinants
- Groups
- Homomorphism and Isomorphism
- Vector Spaces
- Linear Transformations
- Linear Transformations and Matrices
- Eigenvalue Problems and Diagonalization
- Function of Matrices
- Cartesian Tensors
- Physical Tensors.

*Question Papers*

*Index.*

*Edition:* 1st, 2021

*Pages:* xvi + 368

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

MRP: ₹ 250.00

Physics

## Mathematical Physics

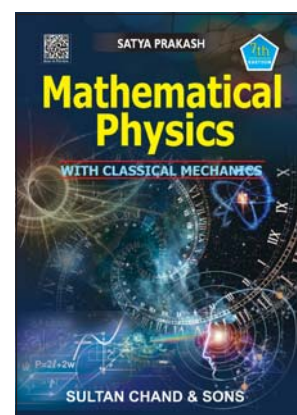
With Classical Mechanics

Satya Prakash

### Contents

- Vectors (with applications)
- Matrices
- Tensors
- Beta-gamma and Error Functions
- Infinite series
- Complex Variables
- Differential Equations and Special Functions
- Fourier Series and Integrals
- 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.

*University Question Papers*  
*Index.*



*Edition:* 7th, 2021

*Pages:* xl + 1,688

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

MRP: ₹ 990.00

## A Textbook of Practical Physics

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

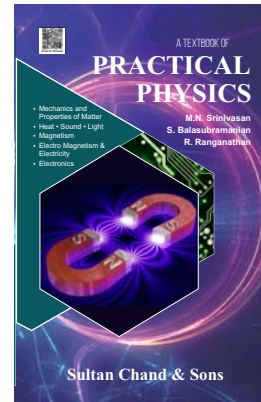
### Contents

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

### Appendix

University Questions

Data of Physical Constants.



Physics

Edition: 1st, 1990

Pages: xii + 388

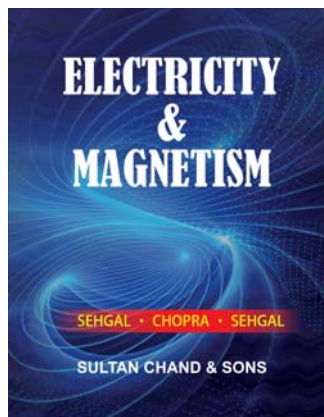
ISBN: 978-81-8054-744-7; (TC 601)

MRP: ₹ 250.00

## Electricity and Magnetism

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

### Contents



- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Vectors</li> <li>• Electrical Units</li> <li>• The Fundamental Principles of Electrostatics</li> <li>• The Electric Field</li> <li>• Electric Potential</li> <li>• Systems of Conductors, Capacitance</li> <li>• Electrostatic Energy</li> <li>• The General Electrostatic Problem</li> <li>• Dielectrics</li> <li>• Steady Currents</li> <li>• Magnetic Effects of Currents</li> </ul> | <ul style="list-style-type: none"> <li>• Electrical Instruments</li> <li>• Measurement of Resistance and Potential</li> <li>• Heating Effects of Currents</li> <li>• Thermoelectricity</li> <li>• Electromagnetic Induction</li> <li>• Transient Currents</li> <li>• Alternating Currents</li> <li>• Alternating Current Bridges</li> <li>• Network Analysis</li> <li>• Magnetic Properties of Materials</li> <li>• Magnetic Circuits</li> <li>• Maxwell's Equations and Electromagnetic Waves.</li> </ul> |
|--|--|

Edition: 7th, 2020

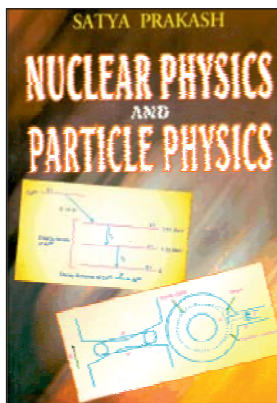
Pages: xxiv + 960

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

Physics

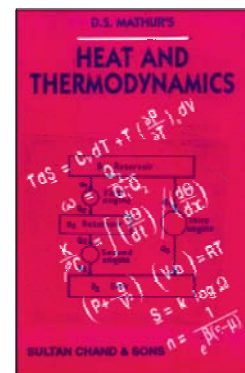
## Heat and Thermodynamics

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

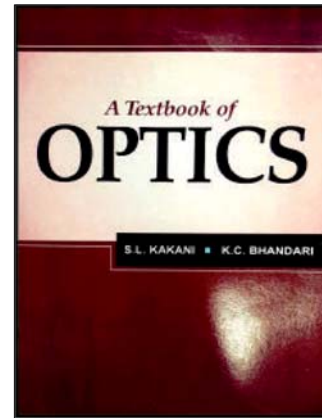
## A Textbook of Optics

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.*



Physics

*Edition:* 15th, 2002

*Pages:* xvi + 564

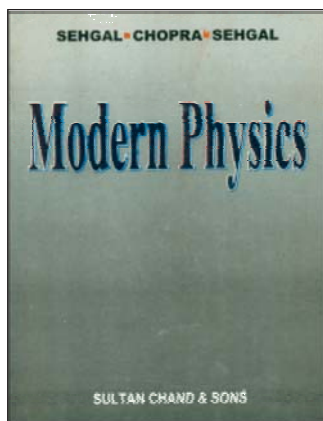
ISBN: 978-93-5161-040-3; (TC 572)

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

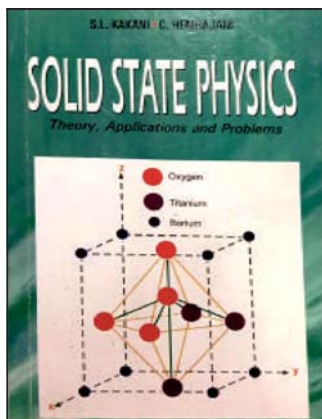


## Solid State Physics

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

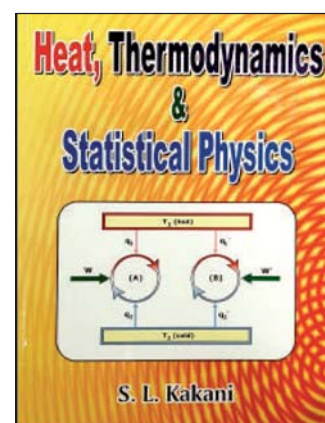
## Heat, Thermodynamics & Statistical Physics

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

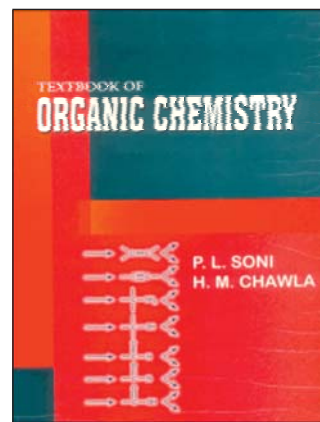
**Part II** – Organic Compounds

**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

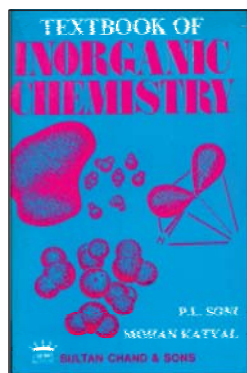
### Contents

**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*

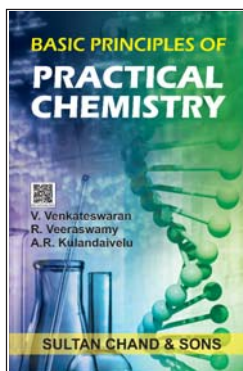
*Pages: xxiv + 1,632*

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.

*Index*

*Edition:* 2nd, 1997

*Pages:* xvi + 352

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

MRP: ₹ 295.00

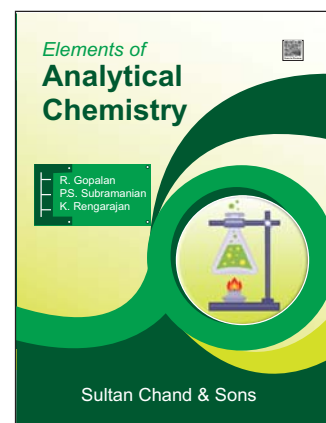
## Elements of Analytical Chemistry

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*



*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

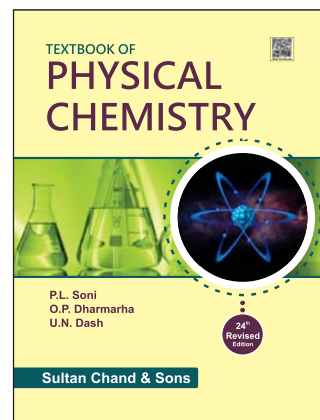
**Unit-VI: Rates and Mechanisms** – Chemical Kinetics • Catalysis • Photochemistry

**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

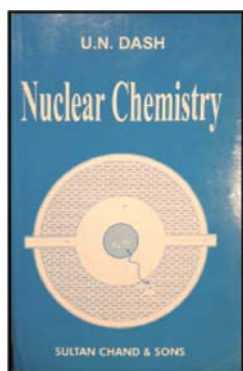
Pages: xxiv + 1,608

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)

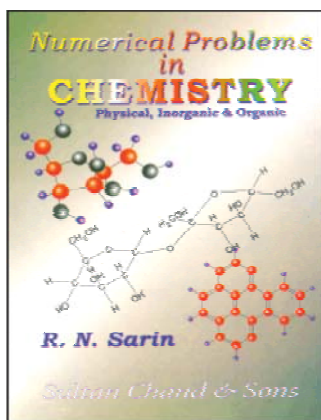
MRP: ₹ 200.00

## 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

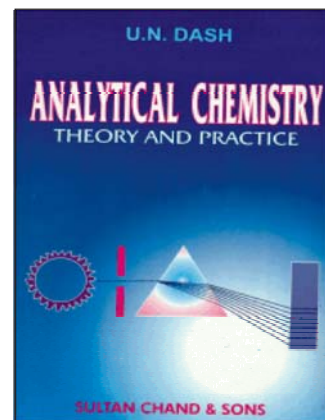
Theory and Practice

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

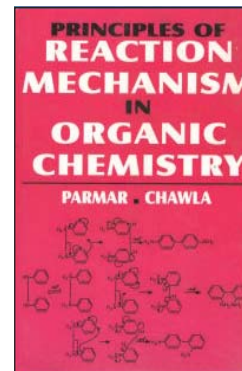
**Part I** – Atomic Architecture • Molecular Framework • Shapes of Organic Molecules • Configuration and Conformation Stereochemistry • Possibility of a Chemical Reaction • Reaction Rates and Energetics • Types of Organic Reactions and Reagents • Scale of Acidity and Related Concepts.

**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.

*Questions*

*Selected Reference*

*Index.*



*Edition:* 2nd, 2016

*Pages:* xvi + 456

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

MRP: ₹ 300.00

## Organic Photochemistry

Malti Dubey (Rawat)

### Contents

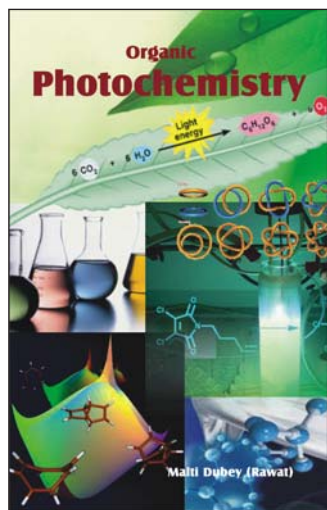
- Photochemistry
- Determination of Reaction Mechanism
- Photochemistry of Alkenes
- Photochemistry of Carbonyl Compounds
- Miscellaneous Photochemical Reactions.

*Tables*

*Glossary*

*Bibliography*

*Index.*



*Edition:* 1st, 2013

*Pages:* xxiv + 120

ISBN: 978-81-7211-325-0

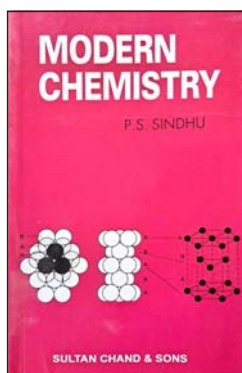
MRP: ₹ 350.00



## 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

#### Section C: Practical Chemistry

- Practical Chemistry.

*Appendix, Index.*

*Edition:* 2nd, 2001

*Pages:* xvi + 472

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

MRP: ₹ 275.00

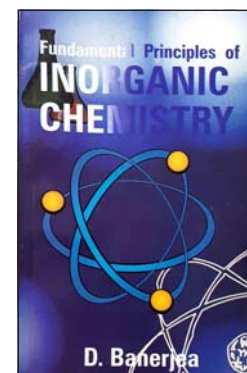
## Fundamental Principles of Inorganic Chemistry

D. Banerjee

### Contents

- 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



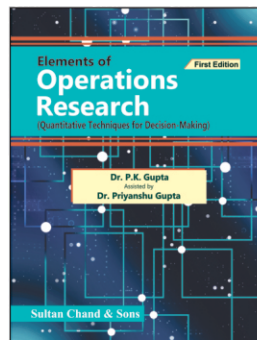
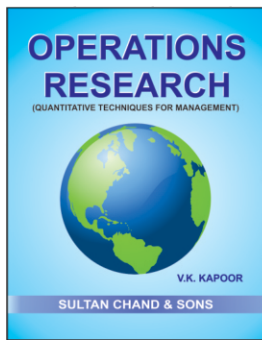
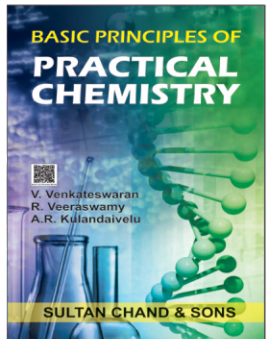
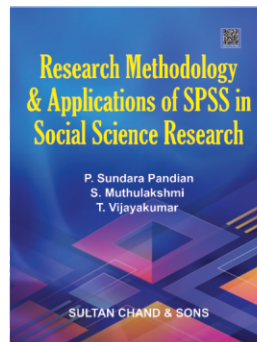
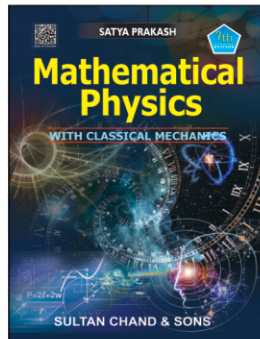
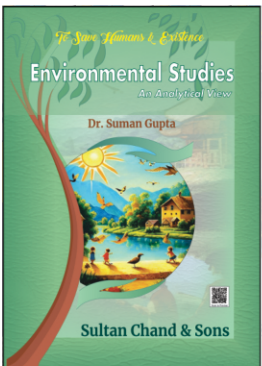
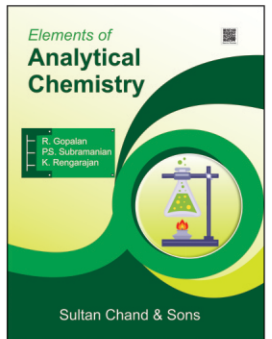
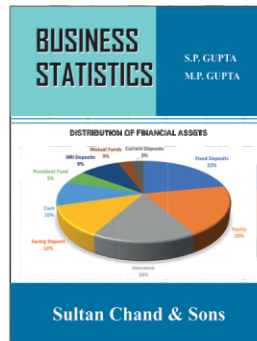
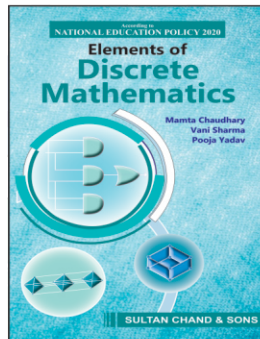
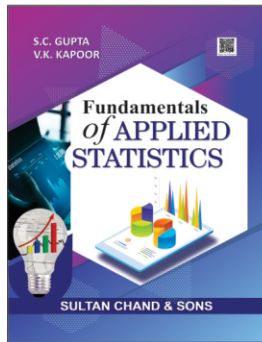
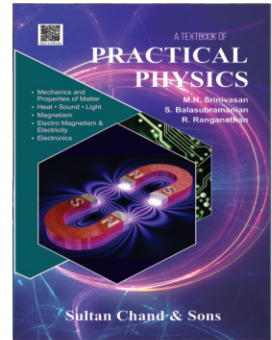
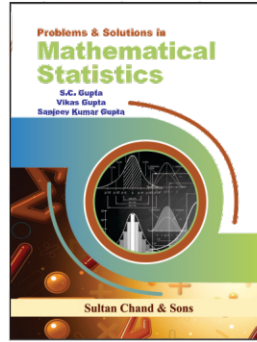
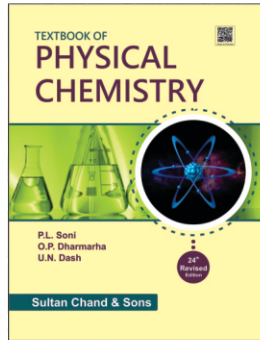
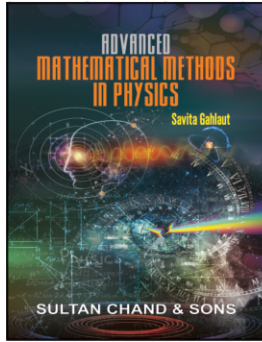
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