

Syllabus Saurashtra University

Advanced Inorganic Chemistry - Volume II is a concise book on basic concepts of inorganic chemistry. Beginning with Coordination Chemistry, it presents a systematic treatment of all Transition and Inner-Transition chemical elements and their compounds according to the periodic table. Special topics such as Pollution and its adverse effects, chromatography, use of metal ions in biological systems, to name a few, are discussed to provide additional relevant information to the students. It primarily caters to the undergraduate courses (Pass and Honours) offered in Indian universities.

Essentials of Physical Chemistry is a classic textbook on the subject explaining fundamentals concepts with discussions, illustrations and exercises. With clear explanation, systematic presentation, and scientific accuracy, the book not only helps the students clear misconceptions about the basic concepts but also enhances students' ability to analyse and systematically solve problems. This bestseller is primarily designed for B.Sc. students and would equally be useful for the aspirants of medical and engineering entrance examinations.

Papers presented at a National Seminar on "Restructuring of Library and Information Science Curriculum", organized by Saurashtra University, Rajkot, during 14-16 December 1989. The text material has been restructured to provide a more balanced and exhaustive coverage of the subject. The text discusses the core concepts of technical communication and explains them with the help of numerous examples and practice exercises. The book also provides support for soft skills laboratory sessions through a companion CD. With its in-depth coverage and practical orientation, the book is useful

not only for students, but also as a reference material for corporate training programmes.

Useful for UG and PG students

In this latest Seventh Edition , five New Chapters (No. 28, 29, 33, 36 and 37) have been added to enhance the scope and utility of the book: three chapters pertain to Bioenergetics and Metabolism (Biosynthesis of Nucleotides, Degradation of Nucleotides, Mineral Metabolism) and two to Nutrition Biochemistry (Principles of Nutrition, Elements of Nutrition). In fact, all the previously-existing 35 chapters have been thoroughly revised, enlarged and updated in the light of recent advancements and the ongoing researches being conducted the world over.

Scientific Technical Communication Skill is a ready reference for the students of B.Sc. Semester - 1. This book has been designed as per the latest syllabus of Saurashtra University. The book in its tenth edition has been thoroughly restructured and revised. All the chapters of the present edition have been re-written not only to incorporate the latest developments in management but also to make presentation of subject-matter more lucid and crisp. Chapter 3 of the previous edition (Managers and Environment) has been named as Management Challenges and Opportunities in the present edition so that proper focus is put on these issues. Thus, the present edition is ideally suited to management students as well as management practitioners, particularly those who have not gone through formal management education.

"Works of Dr. Shiyali Ramamrita Ranganathan (S.R. Ranganathan) need no introduction. They are renowned not because they cover certain facet of library and information science, but because they have been written by the father of library science in india, Dr. Ranganathan. These library science classics have been reprinted to make Dr. Ranganathan's work available to the current generation of

librarians and for those to come."

Virtually every aspect of the modern Western worldview has its roots in the remarkably diverse body of philosophy that emerged from a small patch of land in the Mediterranean thousands of years ago. This volume offers an overview of the highlights of ancient Greek philosophy, as well as an historical account of the lives of many of the scholars and thinkers who helped shaped it.

Dhandha, meaning business, is a term often used in common trade parlance in India. But there is no other community that fully embodies what the term stands for than the Gujaratis. Shobha Bondre's Dhandha is the story of a few such Gujaratis: Jaydev Patel—the New York Life Insurance agent credited with having sold policies worth \$2.5 billion so far; Bhimjibhai Patel—one of the country's biggest diamond merchants and co-founder of the ambitious 'Diamond Nagar' in Surat; Dalpatbhai Patel—the motelier who went on to become the mayor of Mansfield County; Mohanbhai Patel—a former Sheriff of Mumbai and the leading manufacturer of aluminium collapsible tubes; and Hersha and Hasu Shah—owners of over a hundred hotels in the US. Travelling across continents—from Mumbai to the United States—in search of their story and the common values that bond them, Dhandha showcases the powerful ambition, incredible capacity for hard work, and the inherent business sense of the Gujaratis.

The Arthasamgraha is profound in contents, scholarly in treatment and simple and lucid in style and language. It condenses great amount of matter in pregnant language. The author, Laugaksi Bhaskara, about whose personal life sufficient information is not available, probably belonged to the South and Flourished in the 14th-15th century. He wrote the text for beginners and so the language is characterized by simplicity and brevity which are maintained even in the

treatment of difficult problems. The work has gained popularity among scholars and beginners both and serves well as a gateway to the system of Purva Mimamsa. The full name of the work as given by the author in the colophon is Purvamimamsarthasamgraha which means a compendium dealing with the topics of Purva Mimamsa. The present edition comprises the Sanskrit text in Devanagari script and translation into English with profuse notes, explanatory and critical, by Professor Gajendragadkar and Karmarkar, which has proved the best on account of its merits. A new and very useful feature of this reprint is the addition of a detailed and very useful feature of this reprint is the addition of a detailed and very informative Introduction by Dr. Shiv Kumar. The X-Ray Technician Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: radiologic procedures and radiographic techniques; radiographic exposure; anatomy, physiology systems and pathology; radiation protection and radiobiology; electrical and radiation physics; and other related areas.

B.Sc. Practical Physics

1. Genetics, Epigenetics and Genomics: An Overview
2. Mendel's Laws of Inheritance
3. Lethality and Interaction of Genes
4. Genetics of Quantitative Traits (QTs):
 1. Mendelian Approach (Multiple Factor Hypothesis)
 2. Biometrical Approach
 3. Molecular Markers and QTL Analysis
 4. Genetics of Quantitative Traits

Linkage Disequilibrium (LD) and Association Mapping8.
Multiple Alleles and Isoalleles9. Physical Basis of
Heredity1. The Chromosome Theory of Inheritance10.
Physical Basis of Heredity2. The Nucleus and the
Chromosome11.

A comprehensive text based on the results of a scientific analysis of the communication needs of professionals.

This book is specially designed for B.Sc. Chemistry Honours Degree students. However, it is believed to be helpful to post-graduate students also. It covers by and large physical chemistry part of the Chemistry Honours syllabus taught in different Indian Universities. Elaborate and lucid discussion of each chapter is the strength of this book. Questions and numerical problems are also included at the end of almost every chapter. Strenuous effort has been given to derive different mathematical equations as well as to handle quantum mechanics using mathematics taught in undergraduate level. The book contains 20 chapters, covering the following topics: -

Thermodynamics is thoroughly discussed in this book, covering 1st law, 2nd law and 3rd law of thermodynamics, their applications, thermochemistry and its applications. Applications of thermodynamics in different areas like refrigerators, compressors, power plants, IC engines etc. are also discussed. Statistical thermodynamics is also discussed elaborately. -

Chemical kinetics is another important part of chemistry since it covers reaction rate, order of a reaction, theory behind the reaction rate etc. Catalyst is also an important aspect since it has profound influence on reaction rate. Type of catalyst and mechanism of different catalyzed

reactions are discussed in detail. A chemical reaction reaches an equilibrium state if carried out in a closed container. However, the equilibrium is sufficiently influenced by other parameters, like pressure, temperature etc. - Different physical states of matter (gaseous state, liquid state and solid state). In the solid state behavior of conductors and semiconductors are discussed thoroughly using quantum mechanics. - Detailed discussion of electrochemistry, electrochemical cell and ionic equilibria is another important aspect of this book. Application of thermodynamics in electrochemical cell is also discussed. Concept of buffer solutions, pH and indicators are discussed in detail. - Phase equilibria is another important part of physical chemistry. The chapter includes details of phase rule, phase diagram, applications, different types of heterogeneous equilibrium system etc. - Colligative properties of dilute solutions are well documented, covering, Henry's law, Raoult's law of lowering of vapour pressure, elevation of boiling point, depression of freezing point, osmotic pressure etc. - Surface chemistry and properties of colloidal solutions are very much important in different chemical industries. These two sections are well discussed in this book. It includes details of derivation of different laws, theories behind the adsorption, stability of colloidal solutions etc. - Nuclear reactions are different from chemical reactions and energy, related to nuclear reactions is enormous, much higher than any chemical reaction. Study of different nuclear reactions including natural radioactivity, artificial radioactivity etc. and kinetics of nuclear reactions are

well discussed in this book. Different areas of applications of nuclear reactions are also covered in this book. - Another important aspect of chemical reactions is chemical bonding. The book covers details of covalent bonding including quantum numbers, overlapping of atomic orbitals, molecular orbitals. Besides that ionic bonding and other types of bonding are also discussed in detail. - Photochemical reactions are different from chemical reactions. Light energy is the main source of photochemical reactions. Details of it including photochemical laws, mechanism etc. are well documented in this book.

FOR LABORATORY STUDENTS OF ALL INDIAN UNIVERSITIES

Principles and Practice of Management Sultan Chand & Sons

Businesses use technical writing extensively to communicate both within and outside the organization. And so, it is essential for an individual aspiring to be an executive to master the art of communication. This accessible and compact book on Advanced Technical Communication discusses how students can learn and master not only the basic skills of communication but also complex skills such as soft skills and skills required for preparing technical documents. The book begins with a discussion on the concept of technical communication and then it goes on to describe the differences between technical writing and general writing, and layout and format of business letters and

résumé. What is more, it elaborates on technical documents such as technical proposals, reports, and specialized documents like theses, research papers and dissertations, differentiating them adequately. Finally, the text covers many of the soft skills required today, for example, presentation skills, interpersonal skills, and group discussion (GD) skills. This student-friendly book, suffused with practical examples, is primarily intended as a text for the first year students of Engineering (B.Tech.) of Uttarakhand Technical University for their course on Advanced Technical Communication. It will also be of immense benefit to undergraduate students in other universities and engineering colleges/institutes as well as technical professionals.

KEY FEATURES : Provides comprehensive coverage of soft skills. Lays emphasis on corporate communication skills required for technical writing and producing technical documents by engineers and managers. Gives a critical evaluation as well as text of George Orwell's Animal Farm.

One of the most comprehensive, clearly written books on electronic technology, Simpon's invaluable guide offers a concise and practical overview of the basic principles, theorems, circuit behavior and problem-solving procedures of this intriguing and fast-paced science. Examines a broad spectrum of topics, such as atomic structure, Kirchhoff's laws, energy, power, introductory circuit analysis

techniques, Thevenin's theorem, the maximum power transfer theorem, electric circuit analysis, magnetism, resonance semiconductor diodes, electron current flow, and much more. Smoothly integrates the flow of material in a nonmathematical format without sacrificing depth of coverage or accuracy to help readers grasp more complex concepts and gain a more thorough understanding of the principles of electronics. Includes many practical applications, problems and examples emphasizing troubleshooting, design, and safety to provide a solid foundation in the field of electronics. An ideal reference source for electronic engineering technicians and those involved in the electronic technology field.

Introductory Practical Biochemistry, designed to cater to the requirements of students of biochemistry, microbiology, molecular biology, cellular biology etc. covers modern techniques employed for qualitative and quantitative analysis of biomolecules. The techniques for genetic transformation etc., have been included to give preliminary information to the beginners in the field of genetic engineering. Radioisotopic and immunological techniques also find a place in the book. Each chapter starts with introductory details of the techniques followed by simple laboratory exercises. The book provides concise information on theoretical and practical aspects of the techniques

employed in biochemical studies for the Undergraduate and Postgraduate students, Instructors and Research workers.

For B.Sc I yr students as per the new syllabus of UGC curriculum for all Indian Universities. The present book has two sections. Section I covers 1 which includes chapters on Mechanics, oscillations and Properties of Matter. Section II covers course 2 which includes chapters on Electricity, Magnetism and Electromagnetic theory.

This 7Th Revised Edition Comprehensively Covers The Basic Accounting Principles And Practices In A Systematic Approach. It Presents The Subject Matter In A Simple Lucid And Readable Style. The Text Is Supported With Plenty Of Illustrations For Self Study.

Transexuals often believe that they were born as the wrong gender and are the victims of a terrible accident of nature. Now that medicine can change a person's gender, should the law also acknowledge that change?

A Course of Mathematical Analysis

This book, written explicitly for graduate and postgraduate students of chemistry, provides an extensive coverage of various organic reactions and rearrangements with emphasis on their application in synthesis. A summary of oxidation and reduction of organic compounds is given in tabular form (correlation tables) for the convenience of students. The most commonly encountered reaction intermediates are dealt with. Applications of organic reagents illustrated with examples and problems at the end of each chapter will enable students to evaluate their understanding of the topic.

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