

Pharmaceutical Analysis By Kasture And Mahadik

Human Anatomy And Physiology Practical Pharmaceutical Chemistry Pharmaceutics-II
Pharmaceutical Chemistry - Inorganic (Vol. I). Electrophoresis Molecular Biology
and Genetic Engineering Pharmaceutical Chemistry - I Techno-Societal
2018 Pharmaceutical Bioassays The Directory of Scientific Research Institutions in
India Pharmaceutics - II Instrumental Methods of Analysis Pharmaceutical Analysis
Vol. - II Biochemistry and Clinical Pathology Inorganic Pharmaceutical
Chemistry Instrumental Methods of Chemical Analysis Practical Pharmaceutical
Chemistry - II Calibration and Validation of Analytical
Methods Pharmaceutics Pharmaceutical Analysis Vol. - I Analytical Method
Development and Validation Textbook of Pharmaceutical Inorganic
Chemistry Concise Inorganic Pharmaceutical Chemistry (phar.Che-I) Ultraviolet-
Visible Spectrophotometry in Pharmaceutical Analysis Pharmaceutical
Management Pharmaceutical Biology Drug Regulatory Affairs Pharmaceutical
Analysis Pharmaceutical Quality Assurance Pharmaceutical Analysis E-
Book Pharmaceutical Chemistry - II Cooper and Gunn's Dispensing for
Pharmaceutical Students A Textbook of Pharmaceutical Analysis Concise Organic
Pharmaceutical Chemistry (phar.Che-II) Pharmaceutical Analysis Pharmaceutical
Drug Analysis Practical Pharmaceutics - I Practical Pharmaceutical Chemistry -
I Pharmaceutical Biotechnology A Book on Ion Exchange, Adsorption and Solvent
Extraction

Human Anatomy And Physiology

Practical Pharmaceutical Chemistry

About the Book: During the past two decades, there have been magnificent and significant advances in both analytical instrumentation and computerized data handling devices across the globe. In this specific context the remarkable proliferation of windows

Pharmaceutics-II

Quality Control in Pharmacy - Errors in Analysis - Impurities in Pharmaceutical Substances and Limit Tests - Water - Solubility of Pharmaceuticals - Acids, Bases and Buffers - Antioxidants - Gastrointestinal Agents - Topical Agents - Dental Products - Inhalants - Expectorants, Emetics and Respiratory Stimulants - Major Intra and Extracellular Electrolytes - Official Compounds of Iron - Official Compounds of Iodine - Official Compounds of Calcium - Radiopharmaceuticals and Contrast Media - Antidotes in Poisoning - Identification Tests for Ions and Radicals - Appendix - Index - Bibliography

Pharmaceutical Chemistry - Inorganic (Vol. I).

Regulatory Affair and its Importance - Drug Discover and Development - Regulatory Strategy - Investigational New Drug Application IND - New Drug Application NDA - Abbreviated New Drug Application ANDA - Drug Master File DMF -

Orphan Drug - Biological Licensing Application BLA - Registrations of Drug Products in Overseas Markets
Pharmaceutical export - Regulatory Authorities and Agencies - Overview of Drug and Cosmetic Act - Regulatory Guidelines - Useful Information

Electrophoresis

PART I Molecular Biology

1. Molecular Biology and Genetic Engineering Definition, History and Scope
2. Chemistry of the Cell: 1. Micromolecules (Sugars, Fatty Acids, Amino Acids, Nucleotides and Lipids) Sugars (Carbohydrates) 3. Chemistry of the Cell . 2. Macromolecules (Nucleic Acids; Proteins and Polysaccharides) Covalent and Weak Non-covalent Bonds 4. Chemistry of the Gene: Synthesis, Modification and Repair of DNA DNA Replication: General Features 5. Organisation of Genetic Material 1. Packaging of DNA as Nucleosomes in Eukaryotes Techniques Leading to Nucleosome Discovery 6. Organization of Genetic Material 2. Repetitive and Unique DNA Sequences 7. Organization of Genetic Material: 3. Split Genes, Overlapping Genes, Pseudogenes and Cryptic Genes Split Genes or .Interrupted Genes 8. Multigene Families in Eukaryotes 9. Organization of Mitochondrial and Chloroplast Genomes 10. The Genetic Code 11. Protein Synthesis Apparatus Ribosome, Transfer RNA and Aminoacyl-tRNA Synthetases Ribosome 12. Expression of Gene . Protein Synthesis 1. Transcription in Prokaryotes and Eukaryotes 13. Expression of Gene: Protein Synthesis: 2. RNA Processing (RNA Splicing, RNA Editing and Ribozymes) Polyadenylation of mRNA in Prokaryotes Addition of Cap (m7G) and Tail (Poly A) for mRNA in Eukaryotes 14. Expression of Gene: Protein Synthesis: 3. Synthesis and Transport of Proteins (Prokaryotes and Eukaryotes) Formation of Aminoacyl tRNA 15. Regulation of Gene Expression: 1. Operon Circuits in Bacteria and Other Prokaryotes 16. Regulation of Gene Expression . 2. Circuits for Lytic Cycle and Lysogeny in Bacteriophages 17. Regulation of Gene Expression 3. A Variety of Mechanisms in Eukaryotes (Including Cell Receptors and Cell Signalling)

PART II Genetic Engineering

18. Recombinant DNA and Gene Cloning 1. Cloning and Expression Vectors 19. Recombinant DNA and Gene Cloning 2. Chimeric DNA, Molecular Probes and Gene Libraries 20. Polymerase Chain Reaction (PCR) and Gene Amplification 21. Isolation, Sequencing and Synthesis of Genes 22. Proteins: Separation, Purification and Identification 23. Immunotechnology 1. B-Cells, Antibodies, Interferons and Vaccines 24. Immunotechnology 2. T-Cell Receptors and MHC Restriction 25. Immunotechnology 3. Hybridoma and Monoclonal Antibodies (mAbs) Hybridoma Technology and the Production of Monoclonal Antibodies 26. Transfection Methods and Transgenic Animals 27. Animal and Human Genomics: Molecular Maps and Genome Sequences Molecular Markers 28. Biotechnology in Medicine: 1. Vaccines, Diagnostics and Forensics Animal and Human Health Care 29. Biotechnology in Medicine 2. Gene Therapy Human Diseases Targeted for Gene Therapy Vectors and Other Delivery Systems for Gene Therapy 30. Biotechnology in Medicine: 3. Pharmacogenetics / Pharmacogenomics and Personalized Medicine Phannacogenetics and Personalized 31. Plant Cell and Tissue Culture' Production and Uses of Haploids 32. Gene Transfer Methods in Plants 33. Transgenic Plants . Genetically Modified (GM) Crops and Floricultural Plants 34. Plant Genomics: 35. Genetically Engineered Microbes (GEMs) and Microbial Genomics References

Molecular Biology and Genetic Engineering

Pharmaceutical Chemistry - I

This Fourth Edition has been thoroughly revised and updated to take account of international developments in pharmaceutical chemistry and to maintain the position of Practical Pharmaceutical Chemistry as the leading University textbook in the field of pharmaceutical analysis and quality control. Part 2 deals with physical techniques of analysis for more advanced courses. It gives a broad coverage of the most widely used techniques in quantitative chromatography. The treatment of spectroscopy and radiopharmaceuticals has also been increased. There are additional chapters on the contribution and role of physical methods of analysis in the various stages of drug development; and a series of workshop-style exercises, illustrating the application of spectroscopic techniques in structural elucidation and verification of identity. Users of the two volumes will welcome the internationalisation of the text, with examples based on drugs and dosage forms that are widespread and in common use in human medicine in Britain, continental Europe and North America. Additionally there is some reference to veterinary pharmaceuticals where they provide appropriate examples.

Techno-Societal 2018

Pharmaceutical Bioassays

Pharmaceutical Analysis is a compulsory subject offered to all the under graduate students of Pharmacy. This book on Pharmaceutical Analysis has been designed considering the syllabi requirements laid down by AICTE and other premier institutes/universities. The book covers both the Titrimetric and Instrumental aspects of Pharmaceutical analysis which is helpful for use in multiple semesters.

The Directory of Scientific Research Institutions in India

Pharmaceutics - I

Electrophoresis is a widely used method in the field of life sciences, having multiple practical applications in physical, chemical, biochemical, and molecular biology domains. This book contains 8 chapters depicting various applications of this technique in biochemistry, molecular biology, and physical chemistry. This book presents the link between the exposed method and its applications in a very explicit manner and offers a wide range of practical examples. The book provides not only a vision of actual methods but also their necessary further improvements and suggested developments. Therefore, a particular attention was given to the described techniques as true guidelines in the fields where electrophoresis is recommended, being useful for not only the scientists but also the laboratory clinicians.

Instrumental Methods of Analysis

Pharmaceutical Analysis Vol. - Ii

Describes analytical methods development, optimization and validation, and provides examples of successful methods development and validation in high-performance liquid chromatography (HPLC) areas. The text presents an overview of Food and Drug Administration (FDA)/International Conference on Harmonization (ICH) regulatory guidelines, compliance with validation requirements for regulatory agencies, and methods validation criteria stipulated by the US Pharmacopoeia, FDA and ICH.

Biochemistry and Clinical Pathology

Inorganic Pharmaceutical Chemistry

Instrumental Methods of Chemical Analysis

Pharmaceutical analysis determines the purity, concentration, active compounds, shelf life, rate of absorption in the body, identity, stability, rate of release etc. of a drug. Testing a pharmaceutical product involves a variety of chemical, physical and microbiological analyses. It is reckoned that over £10 billion is spent annually in the UK alone on pharmaceutical analysis, and the analytical processes described in this book are used in industries as diverse as food, beverages, cosmetics, detergents, metals, paints, water, agrochemicals, biotechnological products and pharmaceuticals. This is the key textbook in pharmaceutical analysis, now revised and updated for its fourth edition. Worked calculation examples Self-assessment Additional problems (self tests) Practical boxes Key points boxes New chapter on Biotech products. New chapter on electrochemical methods in diagnostics. Greatly extended chapter on molecular emission spectroscopy to accommodate developments and innovations in the area. Now on StudentConsult

Practical Pharmaceutical Chemistry - Ii

Introduction to Pharmaceutics and its Scope - Development of a New Drug - Introduction to Dosage Forms of Drugs - History and Development of Profession of Pharmacy - Introduction to Pre-formulation - Biopharmaceutics - Good Manufacturing Practices - Introduction to Pre-formulation - Biopharmaceutics - Good Manufacturing Practices - Introduction to Alternative Systems of Medicines - Drug Delivery Systems - Biological Products - Packaging of Pharmaceuticals - Bibliography - Index

Calibration and Validation of Analytical Methods

Pharmaceutics

Water is a vital element for life. Each recognised form of life on earth, from the smallest microbes to the largest mammals, rely on water. But the amount of fresh

water on the earth is limited. Due to industrialisation, urbanisation, and rapid growth of population; even this small amount of fresh water is compromised. Various types of inorganic (toxic and heavy metals) and organic pollutants (dyes, pesticides and pharmacological) are continuously polluting the ecosystem. The development of new efficient technologies are always in demand for the removal of these pollutants. There are several chemical and physical methods available, but among those methods, ion exchange, adsorption and solvent extraction are known to be the most simple and cost effective methods for the removal of these pollutants. This comprehensive book covers 14 review chapters on today's rapidly growing areas of ion exchange, adsorption and solvent extraction and provides an important resource for scientists, and researchers in the fields of Environmental Science, Chemistry, Nanotechnology, Material Science and Engineering.

Pharmaceutical Analysis Vol. - I

Analytical Method Development and Validation

The book is designed to introduce the recent developments and changes of various analytical techniques their underlying principles instrumentations and applications. It comprehensively covers fundamental information and applications of analytical techniques and provides precise sketches and flow sheets to understand the analytical techniques obviously and discusses different techniques such as microscopy centrifugation spectroscopy chromatography. This book also explains the functional aspects of all instruments to provide working knowledge of their instrumentation principle and applications. It provides an understanding of analytical techniques for all undergraduate and postgraduate students of biotechnology chemical engineering pharmacy biochemistry microbiology and chemistry teaching and academic research.

Textbook of Pharmaceutical Inorganic Chemistry

Concise Inorganic Pharmaceutical Chemistry (phar.Che-I)

The use of analytical sciences in the discovery, development and manufacture of pharmaceuticals is wide-ranging. From the analysis of minute amounts of complex biological materials to the quality control of the final dosage form, the use of analytical technology covers an immense range of techniques and disciplines. This book concentrates on the analytical aspects of drug development and manufacture, focusing on the analysis of the active ingredient or drug substance. It provides those joining the industry or other areas of pharmaceutical research with a source of reference to a broad range of techniques and their applications, allowing them to choose the most appropriate analytical technique for a particular purpose. The volume is directed at analytical chemists, industrial pharmacists, organic chemists, pharmaceutical chemists and biochemists.

Ultraviolet-Visible Spectrophotometry in Pharmaceutical Analysis

The field of pharmaceutical biotechnology is evolving rapidly. A whole new arsenal of protein pharmaceuticals is being produced by recombinant techniques for cancer, viral infections, cardiovascular and hereditary disorders, and other diseases. In addition, scientists are confronted with new technologies such as polymerase chain reactions, combinatorial chemistry and gene therapy. This introductory textbook provides extensive coverage of both the basic science and the applications of biotechnology-produced pharmaceuticals, with special emphasis on their clinical use. Pharmaceutical Biotechnology serves as a complete one-stop source for undergraduate pharmacists, and it is valuable for researchers and professionals in the pharmaceutical industry as well.

Pharmaceutical Management

The present book "Pharmaceutical Chemistry Inorganic, Vol I has been written according to the revised syllabus framed by the Pharmacy council of India as per Education Regulations 1991. In this book, subject matter has been recognised incorporating applicationwise classification(Therapeutic, pharmaceutical etc.) rather than the traditional chemical classification. More emphasis has been further laid by explaining the medical and pharmaceutical terms and to what extent it is justifiable to classify a compound under any of the categories. Inevitably, students will find repetition for some compou.

Pharmaceutical Biology

This book provides an overview of the state of the art in pharmaceutical applications of UV-VIS spectroscopy. This book presents the fundamentals for the beginner and, for the expert, discusses both qualitative and quantitative analysis problems. Several chapters focus on the determination of drugs in various matrices, the coupling of chromatographic and spectrophotometric methods, and the problems associated with the use of chemical reactions prior to spectrophotometric measurements. The final chapter provides a survey of the spectrophotometric determination of the main families of drugs, emphasizing the achievements of the last decade.

Drug Regulatory Affairs

This book, divided in two volumes, originates from Techno-Societal 2018: the 2nd International Conference on Advanced Technologies for Societal Applications, Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus is on technologies that help develop and improve society, in particular on issues such as the betterment of differently abled people, environment impact, livelihood, rural employment, agriculture, healthcare, energy, transport, sanitation, water, education. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a

broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

Pharmaceutical Analysis

Pharmaceutical Quality Assurance

This book seeks to introduce the reader to current methodologies in analytical calibration and validation. This collection of contributed research articles and reviews addresses current developments in the calibration of analytical methods and techniques and their subsequent validation. Section 1, "Introduction," contains the Introductory Chapter, a broad overview of analytical calibration and validation, and a brief synopsis of the following chapters. Section 2 "Calibration Approaches" presents five chapters covering calibration schemes for some modern analytical methods and techniques. The last chapter in this section provides a segue into Section 3, "Validation Approaches," which contains two chapters on validation procedures and parameters. This book is a valuable source of scientific information for anyone interested in analytical calibration and validation.

Pharmaceutical Analysis E-Book

The definitive compendium of bioassay procedures and applications A virtual encyclopedia of key bioassay protocols, this up-to-date, essential resource reviews the methods and applications of bioassays that quantify drug activity and evaluate the validity of pharmacological models. Demonstrating the specific ways in which various pharmaceutical bioassays interpret the activity of drug molecules, the book covers the evaluation and screening of drug compounds in a wide spectrum of therapeutic categories. Throughout, the authors use various models to link experimental observations with findings that clarify the effect of drug compounds on cellular biology and measure the pharmacological activity of chemical substances. This provides an important technological platform for successful drug research and clinical therapy, making Pharmaceutical Bioassays an ideal sourcebook for pharmacologists, pharmaceutical and medical researchers, analytical chemists, toxicologists, and students. Just as a fundamental knowledge of pharmaceutical bioassays is vital to understanding how bioactive agents and new drugs are defined, discovered, and developed, so too is this indispensable reference, which: Offers a complete reference on pharmaceutical bioassays and their specific applications in the assessment of therapies for cancer, Alzheimer's, diabetes, epilepsy, inflammation, antimalarials, pharmacogenomics, and other major therapeutic areas Covers bioassays that measure toxicity, including those for chemical toxicity and hepatotoxicity—a particularly significant consideration in the development of safe and tolerable medications Highlights clinically relevant methods, ideas, and techniques to support any pharmaceutical researcher Suggests guidelines and systems to enhance communication between pharmacologists, chemists, and biologists Provides an informative analysis of pharmaceutical bioassay technologies and lab applications

Pharmaceutical Chemistry - Ii

This comprehensive textbook for on pharmaceutical organic chemistry fully meets the needs of pharmacy students at the undersgraduate level.

Cooper and Gunn's Dispensing for Pharmaceutical Students

A Textbook of Pharmaceutical Analysis

Concise Organic Pharmaceutical Chemistry (phar.Che-Ii)

Pharmaceutical Analysis

I-Dispensing Pharmacy - II-Dispensed Medications - a-Monophasic Liquid Dosage Forms - b-Biphasic Liquid Dosage Forms - c- Semi-solid Dosage Forms - III - Sterile Dosage Forms

Pharmaceutical Drug Analysis

Practical Pharmaceutics - I

Introduction. Centrak Nervous System Stimulants. Antidepressants and Antinxiety Agent (Anxiolytic). Antipsychotic Agents and Hallucinogens. General Anaesthetics. Hypnotics and Sedatives. Skeletal Muscle Relaxants. Tranquilizing Agents. Anticonvulsant Drugs. Analgesics (Narcotics). Anpyertic Analgesics. Nonsteroidal Anti- Inflammatory Agents. Adrenergic Agents. Adrenergic Blocking Agents. Cardiovascular Agents. Histamines & Antihistaminic Agents. antitussives & Expectorants. Coagulants and Anticoagulants

Practical Pharmaceutical Chemistry - I

Pharmaceutical Biotechnology

A Book on Ion Exchange, Adsorption and Solvent Extraction

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