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Progress in Controlled and Novel Drug Delivery Systems

Almost nothing is known about Louis Charles, whose abandoned handwritten manuscripts were found discovered by Sidewalk Labs in an ornate jewelry box. None of the five manuscripts were dated, but they appear to be late 19th or early 20th century. In the first of these newly discovered classics, a little boy named Aaron travels through a tree in a nonsense fantasy in the style of The Wizard of Oz, Alice in Wonderland, and The Phantom Tollbooth. His dreams and wonders take him through a magical land of creatures - Feathers, Shells, Fins, and others - as he seeks out the dread Magistrate, who seems to be the keeper of the land.

Pharmaceutical Policy in China

Hot-melt extrusion (HME) - melting a substance and forcing it through an orifice under controlled conditions to form a new material - is an emerging processing technology in the pharmaceutical industry for the preparation of various dosage forms and drug delivery systems, for example granules and sustained release tablets. Hot-Melt Extrusion: Pharmaceutical Applications covers the main instrumentation, operation principles and theoretical background of HME. It then focuses on HME drug delivery systems, dosage forms and clinical studies (including pharmacokinetics and bioavailability) of HME products. Finally, the book includes some recent and novel HME applications, scale -up considerations and regulatory issues. Topics covered include: principles and die design of single screw extrusion twin screw extrusion techniques and

practices in the laboratory and on production scale HME developments for the pharmaceutical industry solubility parameters for prediction of drug/polymer miscibility in HME formulations the influence of plasticizers in HME applications of polymethacrylate polymers in HME HME of ethylcellulose, hypromellose, and polyethylene oxide bioadhesion properties of polymeric films produced by HME taste masking using HME clinical studies, bioavailability and pharmacokinetics of HME products injection moulding and HME processing for pharmaceutical materials laminar dispersive & distributive mixing with dissolution and applications to HME technological considerations related to scale-up of HME processes devices and implant systems by HME an FDA perspective on HME product and process understanding improved process understanding and control of an HME process with near-infrared spectroscopy Hot-Melt Extrusion: Pharmaceutical Applications is an essential multidisciplinary guide to the emerging pharmaceutical uses of this processing technology for researchers in academia and industry working in drug formulation and delivery, pharmaceutical engineering and processing, and polymers and materials science. This is the first book from our brand new series Advances in Pharmaceutical Technology. Find out more about the series here.

Remington Education Pharmaceuticals

Prescribing for children is a particularly challenging discipline due to specific issues of drug absorption, metabolism, distribution and excretion. The aim of this book is to improve understanding in all aspects of paediatric prescribing, from the development of suitable drugs through to their practical administration. With its origins in the EU-funded Global Research in Paediatrics (GRiP) project this is the first truly international textbook to provide guidance on the principles behind optimal neonatal and paediatric prescribing. Harnessing the international expertise of paediatricians and pharmacists in the field, Prescribing Medicines for Children compliments the British National Formulary for Children (BNFC), facilitating translation of essential pharmacological principles into good prescribing practice. It incorporates specific information on how to promote safe and effective prescribing in paediatrics, including how to avoid medication errors and adverse drug reactions in children. Highlights include the differences in prescribing habits between countries and the shared principles that underpin rational prescribing in paediatrics and neonatology. The book is divided into two sections: Section A provides concise educational material relating to paediatric pharmacology and optimising how medicines are developed and prescribed for children. Section B considers key clinical prescribing areas and can be used as a quick reference guide. Each chapter is focused on the key issues in prescribing for a respective clinical specialty or context. Prescribing Medicines for Children is essential reading for all those who are involved in prescribing medicines to neonates and children. This includes undergraduate and postgraduate pharmacists, nurses, paediatricians and primary care physicians, academic scientists, and those working in the pharmaceutical industry and drug regulation.

Drug Delivery

Taking medication is a common occurrence for many people, whether it is to soothe an aching head, regulate blood sugars, or to treat life threatening conditions, such as HIV or cancer. In the UK alone, over 900 million prescriptions are dispensed every year. Overseeing all of this are pharmacists: experts in medicines and their use. The Integrated Foundations of Pharmacy series supports those who are at the beginning of their journey to become a pharmacist. The reader will begin to understand how a drug molecule is made; the process that turns it into a medicine; the role the pharmacist has when dispensing that medicine; and what happens in the body when it is taken. Most importantly, the series shows how each of these aspects are integrated, reflecting the most up-to-date teaching practices. **Pharmaceutics: the science of medicine design** explores the different forms that medicines can take, and demonstrates how being able to select the best form - be it a tablet, injectable liquid, or an inhaled gas - requires an understanding of how chemicals behave in different physical states. **Online Resource Centre** The Online Resource Centre to accompany **Pharmaceutics: the science of medicine design** features: For registered adopters of the book: - Figures from the book, available to download. For students: - Self-assessment questions to help the reader to check and reinforce understanding of the material introduced in each chapter.

Drug Delivery and Targeting

It is a short story by Mrs. Gaskell. In the novel she explores different kinds of love, and her observations about human nature are as acute here as in her longer works. In this particular attempt she especially identifies motherhood and mother's feelings for her children. An awakening attempt!

Pinochet

FASTtrack Pharmaceuticals – Dosage Form and Design focuses on what you really need to know in order to pass your pharmacy exams. It provides concise, bulleted information, key points, tips and an all-important self-assessment section, including MCQs.

FASTtrack Physical Pharmacy

Nano- and Microscale Drug Delivery Systems: Design and Fabrication presents the developments that have taken place in recent years in the field of micro- and nanoscale drug delivery systems. Particular attention is assigned to the fabrication and design of drug delivery systems in order to i) reduce the side effects of therapeutic agents, ii) increase their pharmacological effect, and iii) improve aqueous solubility and chemical stability of different therapeutic agents. This book is designed to offer a cogent, concise overview of current scholarship in this important area of research through its focus on the characterization and fabrication of a variety of nanomaterials for drug delivery applications. It is an invaluable reference

source for both biomaterials scientists and biomedical engineers who want to learn more about how nanomaterials are engineered and used in the design of drug delivery nanosystems. Shows how micro- and nanomaterials can be engineered to create more effective drug delivery systems Summarizes current nanotechnology research in the field of drug delivery systems Explores the pros and cons of using particular nanomaterials as therapeutic agents Serves as a valuable reference for both biomaterials scientists and biomedical engineers who want to learn more about how nanomaterials are engineered and used in the design of drug delivery nanosystems

Pharmaceutical Dosage Forms and Drug Delivery, Second Edition

This revised fourth edition of *Drugs in Use* presents a series of clinical case studies to illustrate how pharmacists can optimise drug therapy in response to the needs of individual patients. Patient information is interspersed with questions and answers suitable for self-study or group discussion and a pharmaceutical care plan is included within each chapter. The cases included address situations which are commonly encountered or associated with particular difficulties in treatment individualisation. Those in which major advances in therapeutics have recently occurred are also covered. All case studies from the previous edition have been updated and revised, and new chapters have been included on the following: eczema; psoriasis; Crohn's disease; oncology; substance misuse.

Martindale

A revision guide on pharmaceutical and medicinal chemistry. The book covers all aspects of the chemistry of drugs and includes key points, tips, and self-assessment questions to aid in learning.

An Introduction to Clinical Pharmaceutics

Women, we are told, should not own guns. Women, we are told, are more likely to be injured by their own guns than to fend off an attack themselves. This "fact" is rooted in a fundamental assumption of female weakness and vulnerability. Why should a woman not be every bit as capable as a man of using a firearm in self-defense? And yet the reality is that millions of American women--somewhere between 11,000,000 and 17,000,000--use guns confidently and competently every day. Women are hunting, using firearms in their work as policewomen and in the military, shooting for sport, and arming themselves for personal security in ever-increasing numbers. What motivates women to possess firearms? What is their relationship to their guns? And who exactly are these women? Crucially, can a woman be a gun-owner and a feminist too? Women's growing tendency to arm themselves has in recent years been political fodder for both the right and the left. Female gun owners are frequently painted as "trying to be like men" (the conservative perspective) or "capitulating to

patriarchal ideas about power" (the liberal critique). Eschewing the polar extremes in the heated debate over gun ownership and gun control, and linking firearms and feminism in novel fashion, Mary Zeiss Stange and Carol K. Oyster here cut through the rhetoric to paint a precise and unflinching account of America's gun women.

Targeted & Controlled Drug Delivery: Novel Carrier Systems (HB)

A concise guide providing the physicochemical background to the design and use of pharmaceutical dosage forms. This FASTtrack book is derived from the textbook Physicochemical Principles of Pharmacy and is designed to be used alongside it for those revision periods when time is short. It includes key points, tips, self assessment questions/answers and memory maps to aid with revision. For the new edition there will be an additional chapter on pharmaceutical nanotechnology.

Fast Track

FASTtrack is a new series of indispensable revision guides created especially for undergraduate pharmacy students. The FASTtrack series provides the ultimate lecture notes and is a must-have for all pharmacy undergraduate students wanting to revise and test themselves for forthcoming exams. Based on the successful textbook, Physicochemical Principles of Pharmacy, this title is a concise guide providing the physicochemical background to the design and use of pharmaceutical dosage forms.

Pharmaceutical Compounding and Dispensing

Multiple choice questions (MCQs) are a key assessment and study tool in pharmacy courses throughout the world. MCQs in Pharmaceutical Science and Technology will serve as an invaluable resource for students and instructors in pharmaceutical science. Comprised of 600 MCQs and answers divided into six sections, the book progresses logically from basic science through to clinical considerations. Questions included in each chapter cover basic, conventional and novel delivery systems and will allow students to gain valuable practice in this discipline. Topics covered include: -physical pharmaceuticals -pharmacokinetics and biopharmaceutics -particle science and calculations -dosage form design -advanced drug delivery systems -miscellaneous topics. Sanjay Garg is Associate Professor and Deputy Head at the School of Pharmacy, University of Auckland, New Zealand.

Pharmaceutical Dosage Forms and Drug Delivery

Aulton's Pharmaceuticals

This textbook considers the role of basic pharmaceuticals in determining or modifying clinical outcomes and in explaining the behavior of medicines in the body, including adverse reactions due to formulations and excipients. An Introduction to Clinical Pharmaceuticals covers recent developments such as personalised therapies and nanotechnology. All of the principles underpinning clinical pharmaceuticals are supported using relevant examples from recent literature and clinical case studies, including issues of: formulation and excipients; surface tension; rheology; solubility; crystallisation and precipitation; aggregation; absorption. Examples and implications of each phenomenon are discussed with a reminder of the underlying pharmaceuticals.

Pharmaceutical Capsules

Basketball Jones

FASTtrack is a new series of indispensable revision guides created especially for undergraduate pharmacy students. Each book focuses on what pharmacy students really need to know in order to pass exams, providing concise, bulleted information, key points, tips and an all-important self-assessment section which includes MCQs, case studies, sample essay questions and worked examples. Addressing all common ailments, organised by system in alphabetical order, this book provides all the essential information needed for managing symptoms presented in the pharmacy.

Gun Women

Pharmaceuticals: Drug Delivery and Targeting focuses on what pharmacy students really need to know in order to pass exams, providing concise, bulleted information, chapter overviews, hints, key points, mind maps and an all-important self-assessment section which includes MCQs. This FASTtrack book systematically reviews important concepts and facts relating to the delivery and targeting of drugs. Relevant examples of delivery systems are given throughout the book with a focus on delivery systems that have actually reached clinical reality. Information is presented concisely with self assessment questions/answers and mindmaps to aid learning. The text has been updated for the new edition based on student feedback.

Biopharmaceuticals

Achieving Your Best Self

This book provides a comprehensive introduction to advanced drug delivery and targeting, covering their principles, current applications, and potential future developments. This edition has been updated to reflect significant trends and cutting-edge advances that have occurred since the first edition was published. All the original chapters have been retained, but the material therein has been updated. Eight new chapters have been added that deal with entirely new technologies and approaches.

Pharmaceutics

Readers will find this book to be the most comprehensive source on pharmaceutical dosage forms and drug delivery systems. Physical Pharmacy Capsules highlight key concepts with boxes, providing easy reference. Reflecting traditional pharmaceutics pedagogy, the new edition is organized by dosage form rather than by route of administration

FASTtrack Pharmaceuticals

This is thirty-fifth edition of Martindale, which provides reliable, and evaluated information on drugs and medicines used throughout the world. It contains encyclopaedic facts about drugs and medicines, with: 5,500 drug monographs; 128,000 preparations; 40,700 reference citations; 10,900 manufacturers. There are synopses of disease treatments which enables identification of medicines, the local equivalent and the manufacturer. It also includes herbals, diagnostic agents, radiopharmaceuticals, pharmaceutical excipients, toxins, and poisons as well as drugs and medicines. Based on published information and extensively referenced

Essentials of Medical Pharmacology

Biopharmaceuticals are derived from biological sources, either live organisms or their active components; nowadays, they are mainly produced by biotechnologies. Biopharmaceuticals are extensively used in the treatment of various diseases such as cardiovascular, metabolic, neurological diseases, cancer, and others for which there are no available therapeutic methods. With the advance of science, biopharmaceuticals have revolutionized the treatment, prevention, and diagnosis of many patients with disabling and life-threatening diseases. Innovative biopharmaceuticals definitely improve the life quality of patients and enhance the effectiveness of the healthcare system. This book encompasses the discovery, production, application, and regulation of biopharmaceuticals to demonstrate their research achievement, prospects, and challenges. We expect the significance of biopharmaceuticals to be revealed and emphasized by this book.

Disease Management

FASTtrack is a series of indispensable revision guides created especially for undergraduate pharmacy students. The content of each title focuses on what pharmacy students really need to know in order to pass exams, providing concise, bulleted information, key points, tips and an all-important self-assessment section which includes MCQs, case studies, sample essay questions and worked examples. This specific title is a basic revision guide in *Pharmaceutics - Delivery and Targeting of Drugs*. It will complement *FASTtrack: Pharmaceutics - Dosage Form and Design* by David Jones. The FASTtrack series

Aaron Robertson's Sycamore

The advances in biotechnology and molecular biology over recent years have resulted in a large number of novel molecules with the potential to revolutionize the treatment and prevention of disease. However, such potential is severely compromised by significant obstacles to delivery of these drugs *in vivo*. These obstacles are often so great that effective drug delivery and targeting is now recognized as the key to effective development of many therapeutics. Advanced drug delivery and targeting can offer significant advantages to conventional drugs, such as increased efficiency, convenience, and the potential for line extensions and market expansion. An accessible and easy-to-read textbook, *Drug Delivery and Targeting for Pharmacists and Pharmaceutical Scientists* is the first book to provide a comprehensive introduction to the principles of advanced drug delivery and targeting, their current applications and potential future developments, including:

- *Methods to optimize therapeutic efficacy, and the related commercial implications
- *Difficulties with drug absorption, unwanted distribution and premature inactivation / elimination
- *Attempts to minimize toxicity or alter immunogenicity
- *Methods to achieve rate-controlled drug release and effective drug targeting
- *Novel and established routes of delivery
- *Use of new generation technologies such as biosensors, microchips, stimuli-sensitive hydrogels and plasmid-based gene therapy

This volume is indispensable for pharmaceutical students, scientists and researchers.

Hot-Melt Extrusion

Suddenly Today We Can Dream

It began with Magic, Bird, and Dr. J. Then came Michael. The Dream Team. The WNBA. And, most recently, "Spree" Latrell Sprewell—American Dream or American Nightmare?—the embodiment of everything many believe is wrong—and others believe is exciting—about the game. Today, despite the NBA strike, despite home run derbies, despite football's headlock on network television ratings, despite the much-heralded return of baseball, basketball has assumed a role in American

culture and consciousness impossible to imagine 20 years ago, when arenas were empty and the NBA finals were broadcast via tape delay in the wee hours. So what happened? How did a "black sport," plagued by drug scandal and decimated by white flight, come to achieve such prominence? What are the subtle and not-so-subtle racial codes that define how the game is played and perceived, and the reception of its high-profile stars? What does the shift in popularity from the predominantly white, working-class ethos of baseball to the black, urban ethos of basketball suggest about contemporary life in America? What linkages exist between basketball and hip-hop culture and how did these develop? How has the arrival of women on the scene changed the equation? Bringing together journalists, cultural critics, and academics, this wide-ranging anthology has something for everyone, from hard-core fan to casual observer. Contributors: Todd Boyd, Kenneth L. Shropshire, Gerald Early, James Peterson, Susan J. Rayl, Davis W. Houck, Mark Conrad, Charles J. Ogletree, Jr., Earl Smith, Sohail Daulatzi, Larry Platt, Tina Sloan Green, Alpha Alexander, Tara McPherson, Aaron Baker.

FASTtrack Pharmaceuticals Dosage Form and Design, 2nd edition

The Null Seeking Trial (NST) is a research technique which was developed in response to the dilemmas facing surgeons designing, setting up and running trials and also for patients when considering participation in randomised trials. NST could be applied to a wide variety of research questions in different disciplines. It differs from conventional randomised trial methodology both in design and in purpose. The purpose of a conventional trial is to observe a difference between treatment groups and then to infer that this difference is caused by the treatment; so called 'causal inference'. The purpose of a Null Seeking Trial is to find the circumstances where two treatments have the same effect. With conventional trials, a result is not available until the trial is completed unlike NSTs where individual patients' results are available as soon as they are recorded. When a patient participates, they can consult the results already available to help them decide which treatment to have. They only opt for randomisation if for patients like them there is little difference between the results of the two treatments. This scheme creates a negative feedback loop that determines in which patients the two treatments are equivalent.

MCQs in Pharmaceutical Science and Technology

Pharmacists have been responsible for compounding medicines for centuries. Although most modern medicines are not compounded in a local pharmacy environment, there are still occasions when it is imperative that pharmacists have this knowledge. Pharmaceutical Compounding and Dispensing provides a comprehensive guide to producing extemporaneous formulations safely and effectively. The book covers three core sections: the history of compounding; pharmaceutical forms and their preparation; product formulae. This is a modern, detailed and practical guide to the theory and practice of extemporaneous compounding and dispensing. Fully revised and updated, this new edition will be an indispensable

reference for pharmacy students and practicing pharmacists. Supplementary videos demonstrating various dispensing procedures can be viewed online.

Prescribing Medicines for Children

Why should you read this book? Millions of people spend their entire lives drifting without purpose or meaning while others seem to find direction early on in life. In *Achieving Your Best Self*, Dr David Barton presents you with essential key principles to help you discover your own path and then pursue that course with persistence, self-discipline and courage. In *Achieving Your Best Self* you will learn: How to gain clarity about your values, dreams and desires How to set SMART goals that get results How to develop more self-discipline How to cultivate greater persistence and grit How to produce greater courage and overcome fear How to deal with procrastination and stop putting off your goals How to use the power of your subconscious mind and automate the pursuit of your goals By following the principles and key ideas laid down in this book you can literally transform your life for the better. Furthermore, you will learn valuable lessons from real life cases of people who achieved astonishing results when they overcame their fears, focussed on their most important goals and triumphed in the face of adversity. You will learn about: How one team of explorers managed to get to one of the coldest places on earth first and survived the trip, while another team died on their way back. How a group of artists challenged the powers of the day, set their own course and shook the art world more than at any other time in the history of art How one small shepherd boy defeated a giant and became a king"

Nano- and Microscale Drug Delivery Systems

In the second edition of *Pharmaceutical Dosage Forms and Drug Delivery* the authors integrate aspects of physical pharmacy, biopharmaceuticals, drug delivery, and biotechnology, emphasizing the increased attention that the recent spectacular advances in dosage form design and drug delivery, gene therapy, and nanotechnology have brought to the field. Highlights of the Second Edition: Additional author Ajit S. Narang brings an industrial practitioner perspective with increased focus on pharmacy math and statistics, and powders and granules Reorganized into three parts: Introduction, Physicochemical Principles, and Dosage Forms Chapters on pharmaceutical calculations, compounding principles, and powders and granules provide a complete spectrum of application of pharmaceutical principles Expansion of review questions and answers clarifies concepts for students and adds to their grasp of key concepts covered in the chapter Coverage of complexation and protein binding aspects of physical pharmacy includes the basic concepts as well as recent progress in the field Although there are numerous books on the science of pharmaceuticals and dosage form design, most cover different areas of the discipline and do not provide an integrated approach to the topics. This book not only provides a singular perspective of the overall field, but it supplies a unified source of information for students, instructors, and

professionals.

FASTtrack: Chemistry of Drugs

Completely revised and updated, this third edition of Pharmaceutical Dosage Forms and Drug Delivery elucidates the basic principles of pharmaceuticals, biopharmaceuticals, dosage form design, and drug delivery – including emerging new biotechnology-based treatment modalities. The authors integrate aspects of physical pharmacy, chemistry, biology, and biopharmaceuticals into drug delivery. This book highlights the increased attention that the recent spectacular advances in gene therapy and nanotechnology have brought to dosage form design and drug delivery. With the expiration of older patents and generic competition, the biopharmaceutical industry is evolving faster than ever. Apart from revising and updating existing chapters on the basic principles, this edition highlights the emerging emphasis on drug discovery, antibodies and antibody-drug conjugates as therapeutic moieties, individualized medicine including patient stratification strategies, targeted drug delivery, and the increasing role of modeling and simulation. Although there are numerous books on pharmaceuticals and dosage forms, most cover different areas of the discipline and do not provide an integrated approach. The integrated approach of this book not only provides a singular perspective of the overall field, but also supplies a unified source of information for students, instructors and professionals, saving their time and money.

Pharmaceutics

China has a complex pharmaceutical system that is currently undergoing significant reforms. This book provides a comprehensive overview of China's pharmaceutical system and covers key topics such as drug approvals and quality regulation, expenditure trends, pricing and reimbursement, irrational prescribing, traditional Chinese medicine, industrial policy, and the role of hospitals, primary care, and pharmacies.

Morton Hall

Late one Friday night in October 1998, officers of Scotland Yard arrested General Augusto Pinochet, dictator of Chile for 17 years, on charges of torture and conspiracy to murder. The arrest marked the first time a former head of state had been detained outside his own country on charges of crimes against humanity, and gave a clear warning to former dictators and heads of abusive regimes. Through interviews, eyewitness accounts, and new sources, veteran journalist Hugh O'Shaughnessy sifts through the General's personal life, military career, rise to power, and arrest and internment. While researching Pinochet: The Politics of Torture, O'Shaughnessy discovered new evidence of high-level Chilean Army involvement in arms and drug-running, as well as details of the assassination operations carried out by Chile's secret police,

the DINA, against three Chileans in Argentina, Europe and the United States. Pinochet: The Politics of Torture tells the riveting story of the September 1973 coup d'etat, the subsequent crackdown, the long period of repression that has changed Chile's history forever, and highlights the legal intrigue behind the search for justice.

Pharmaceutical Dosage Forms and Drug Delivery Systems

Remington Education: Pharmaceutics covers the basic principles of pharmaceutics, from dosage forms to drug delivery and targeting. It addresses all the principles covered in an introductory pharmacy course. As well as offering a summary of key information in pharmaceutics, it offers numerous case studies and MCQs for self assessment.

Super Shorts

What does a henchman do to change jobs? How does a universal translator deal with hand-to hand-combat? Where do the super powered get their uniforms cleaned? There's a short story for each of these and more. This collection of stories is full of quick to read stories and cover the other aspects of super-powered life. Who cleans up after super fights? What if a teammate is fed up and wants to change sides? Tired of the clichéd heroes? Peel the pages of this book and get lost in different lives. Try the sample and see if Super Shorts fit you.

Null Seeking Trials

Updated and expanded second edition covers all aspects of capsule technology, including history, standards, methods and equipment used in manufacture, filling, printing, weighing, cleaning and inspecting of both hard and soft capsules.

FASTtrack Pharmaceuticals Dosage Form and Design, 2nd edition

This new edition has been fully revised to bring pharmacologists and trainees fully up to date with the latest developments in the field of medical pharmacology. Beginning with an introduction to general pharmacological principles, the following sections discuss drugs for common and less common disorders found in different regions of the body. The seventh edition includes new drugs, as well as the latest therapeutic guidelines from authoritative sources such as the World Health Organisation (WHO) and the British National Formulary (BNF). Each topic includes key point summary boxes as well as illustrations, flowcharts and tables to enhance learning. A 'problem-directed study' question at the end of each chapter helps trainees test their knowledge. An extensive appendices section includes a list of essential medicines, drugs that should/shouldn't be prescribed in pregnancy and lactation, and suggestions for further reading. Key points Fully revised,

new edition presenting latest developments in medical pharmacology Includes therapeutic guidelines from WHO and BNF Problem-directed study questions and key point summary boxes enhance learning Previous edition published in 2008

Drugs in Use

FASTtrack Pharmaceuticals – Dosage Form and Design focuses on what you really need to know in order to pass your pharmacy exams. It provides concise, bulleted information, key points, tips and an all-important self-assessment section, including MCQs.

Physical Pharmacy

Pharmaceutics is one of the most diverse subject areas in all of pharmaceutical science. In brief, it is concerned with the scientific and technological aspects of the design and manufacture of dosage forms or medicines. An understanding of pharmaceutics is therefore vital for all pharmacists and those pharmaceutical scientists who are involved with converting a drug or a potential drug into a medicine that can be delivered safely, effectively and conveniently to the patient. Now in its fourth edition, this best-selling textbook in pharmaceutics has been brought completely up to date to reflect the rapid advances in delivery methodologies by eye and injection, advances in drug formulations and delivery methods for special groups (such as children and the elderly), nanomedicine, and pharmacognosy. At the same time the editors have striven to maintain the accessibility of the text for students of pharmacy, preserving the balance between being a suitably pitched introductory text and a clear reflection of the state of the art. provides a logical, comprehensive account of drug design and manufacture includes the science of formulation and drug delivery designed and written for newcomers to the design of dosage forms New to this edition New editor: Kevin Taylor, Professor of Clinical Pharmaceutics, School of Pharmacy, University of London. Twenty-two new contributors. Six new chapters covering parenteral and ocular delivery; design and administration of medicines for the children and elderly; the latest in plant medicines; nanotechnology and nanomedicines, and the delivery of biopharmaceuticals. Thoroughly revised and updated throughout.

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