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Antibiotic Resistance: Mechanisms and New Antimicrobial Approaches discusses up-to-date knowledge in mechanisms of antibiotic resistance and all recent advances in fighting microbial resistance such as the applications of nanotechnology, plant products, bacteriophages, marine products, algae, insect-derived products, and other alternative methods that can be applied to fight bacterial infections. Understanding fundamental mechanisms of antibiotic resistance is a key step in the discovery of effective methods to cope with resistance. This book also discusses methods used to fight antibiotic-resistant infection based on a deep understanding of the mechanisms involved in the development of the resistance. Discusses methods used to fight antibiotic-resistant infection based on a deep understanding of mechanisms involved in the development of the resistance Provides information on modern methods used to fight antibiotic resistance Covers a wide range of alternative methods to fight bacterial resistance, offering the most complete information available Discusses both newly emerging trends and traditionally applied methods to fight antibiotic resistant infections in light of recent scientific developments Offers the most up-to-date information in fighting antibiotic resistance Includes involvement of contributors all across the world, presenting questions of interest to readers of both developed and developing countries

The book NEET/ AIIMS Objective Question Bank for Physics, Chemistry & Biology has been written exclusively to help students crack the Medical Entrance exams. The book is unique in the sense that it provides selected questions divided into 6 categories for the NEET exam. The book has been prepared in such a manner that a student can easily complete the book in a month's time. The book follows the exact pattern of the NCERT books. Thus the different sections - Physics has 29, Chemistry has 30 and Biology has 38 chapters. The Question Bank contains: • Fill in the Blanks • True/ False • Conceptual MCQs • Diagram Based Questions • Assertion Reason Based Questions • Matching Based Questions • Critical Thinking Type Questions as per the pattern of the NEET/ AIIMS exam. The book is also useful for JIPMER/ AMU/ KCET etc.

The update of the Guidelines for Treatment of Drug-susceptible Tuberculosis and Patient Care is important in the context of the End TB Strategy, which recommends treatment and patient support for all people with TB. This update aims to use the best available evidence on the treatment of drug-susceptible TB and interventions to ensure adequate patient care and support in order to inform policy decisions made in these technical areas by national TB control program managers, national policy-makers, and medical practitioners in a variety of geographical, economic, and social settings. The objectives of these updated guidelines are to provide updated recommendations based on newly emerged evidence on the treatment of drug-susceptible TB and patient care as well as provide a summary of changes in the new guidelines with all the existing and valid WHO recommendations on the treatment of drug-susceptible TB and TB patient care. The key audience for these guidelines are policy-makers in ministries of health or managers of national TB programs who formulate country-specific TB treatment guidelines or who plan TB treatment programs. In addition, health professionals - including doctors, nurses, and educators working both in government services and nongovernmental organizations, such as technical agencies that are treating patients and organizing treatment services - will find these guidelines to be useful.

Physics galaxy by Ashish Arora is a result of deep stress and serious efforts of the brain of distinguished academician Ashish Arora to ensure fundamental understanding and advance applications of concepts in Physics. This series includes four books which cover the complete syllabus of class XI and XII. In these books, under each topic numerous illustrations are included for better understanding of the concept. Also to help in understanding the right method to solve questions, systematically step by step approach is adopted in easy and simple

explanation for each solved Example. After every topic comprehensive time bound tests are given to strengthen the objective and comprehensive abilities of students. You can also avail access to the world's largest encyclopaedia of online video lectures for high school Physics at [www.Physicsgalaxy.Com](http://www.Physicsgalaxy.Com). These exclusive lectures are prepared by Ashish Arora. Everyday view count of these lectures is 30000+ and till now more than 24 million lectures have been watched by students in 180+ countries. Physics galaxy is undoubtedly among the best Physics textbooks for Class XI and Class XII. Some highlights of the book include: a. Systematically step-by-step approach for easy understanding B. Time bound tests after every topic C. As per latest syllabus.

This book discusses regional and international climate-change, air- pollution and human-health scenarios. The research, from both industrialized and developing countries, focuses on region-specific perspectives of climate change impacts on air pollution. After analyzing the variations of climate data over recent decades, the authors consider the different effects of climate change on air pollution and health. As stressed by the IPCC, "pollen, smoke and ozone levels are likely to increase in a warming world, affecting the health of residents of major cities. Rising temperatures will worsen air quality through a combination of more ozone in cities, bigger wild fires and worse pollen outbreaks," according to a major UN climate report. The report follows the World Health Organization in finding that air pollution is the world's greatest environmental health risk, killing 7 million people in 2014 (compared to 0.4 million deaths due to malaria). Deteriorating air quality will most affect the elderly, children, people with chronic ill-health and expectant mothers. Another report suggests that more than 5.5 million people die prematurely each year due to air pollution with over half of those deaths occurring in China and India. A study on the air pollution in the USA, suggests that more than half of US population lives in areas with potentially dangerous air pollution, and about six out of 10 of the top cities for air pollution in the USA are located in the state of California. In the face of future climate change, scientists have urged stronger emission controls to avoid worsening air pollution and the associated exacerbation of health problems, especially in more populated regions of the world. It is hoped that the implementation of the Paris Climate Agreement will help minimize air pollution. Additionally the authors consider the various measures that different countries and groups of countries, like the European Union, have adopted to mitigate the problems arising from climate change and to safeguard the health of population. The book examines the increasing incidence of diseases largely caused by climate change. The countries/regions covered in this study include the USA, Northern Europe (U.K.), Southern Europe ( Italy), Canada, Australia, East Asia, Russia, Hong Kong, Taiwan, Thailand, Malaysia, Indonesia, India, South Africa, Mexico, Brazil, Caribbean countries, and Argentina.

Diabetes has become a worldwide health problem, the global estimated prevalence approaches ten percent and the burden of this disease in terms of morbidity and mortality is unprecedented. The advances acquired through the knowledge of the mechanisms of the disease and the variety of therapeutic approaches contrast with the inability of private and public health systems in underdeveloped and even developed countries to achieve the goals of treatment. This paradox has been described in many sources: the surge of scientific advances contrast with an unprecedented amount of human suffering. Thus, a patient centered and an evidence based approach with the capacity to produce measurable clinical and economic outcomes is required. The purpose of this textbook is multiple: to offer a comprehensive resource covering all aspects of outpatient management; to address diabetes as a health problem from an epidemiological, economic and clinical perspective; to discuss the role of social determinants of health on the worldwide increase in diabetes; to highlight the challenges and obstacles in providing adequate care; and to outline a multidisciplinary approach to management in which medical visits retain their importance as part of a team comprising the patient, his or her family and a multidisciplinary group of health professionals who are able to

move beyond the traditional approach of diabetes as a disease and greatly improve outcomes. *Pandemic Blunder* contains considerable medical information and data to support a number of proven safe, cheap generic medicines and protocols that knock out the coronavirus when given early. Read about the pioneering, courageous doctors who have been using innovative approaches to prevent their COVID patients from needing hospital care and facing death. The book includes many expert opinions from doctors who support the view that 70 to 80 percent of COVID deaths could have been prevented—and still can be.

Don't be victimized by disinformation and propaganda from leftist media. Learn how corrupt forces are aiming to make billions of dollars from expensive medicines and vaccines, and how hundreds of thousands of deaths could have—and should have—been prevented! Developed by a leading panel of experts in the field of obstetrics, this book provides an overview of disease presentation, treatment, protocols and outcomes in the field of obstetrics. This exhaustive compilation is a culmination of a targeted multidisciplinary approach and evidence based management in obstetrics. Up to date and easy to understand, it offers a blend of widely accepted guidelines, practical clinical know-how and the latest advances in the field, covering all the emergencies encountered in the delivery room.

Lists records, superlatives, and unusual facts in the areas of fame, the natural world, exploration, technology, remarkable activities, the arts, amusements, and sports. This book reviews recent advances in the molecular and infection biology, pathology, and molecular epidemiology of *Mycobacterium tuberculosis*, as well as the identification and validation of novel molecular drug targets for the treatment of this mycobacterial disease. Despite being completely curable, tuberculosis is still one of the leading global causes of death. *M. tuberculosis*, the causative organism – one of the smartest pathogens known – adopts highly intelligent strategies for survival and pathogenesis. Presenting a wealth of information on the molecular infection biology of *M. tuberculosis*, as well as nontuberculous mycobacteria (NTM), the book provides an overview of the functional role of the PE/PPE group of proteins, which is exclusive to the genus *Mycobacteria*, of host-pathogen interactions, and virulence. It also explores the pathogenesis of the infection, pathology, epidemiology, and diagnosis of NTM. Finally it discusses current and novel approaches in vaccine development against tuberculosis, including the role of nanotechnology. With state-of-the-art contributions from experts in the respective domains, this book is an informative resource for practitioners as well as medical postgraduate students and researchers.

Intracranial atherosclerosis is the dominant cause of stroke in over 70% of the world's population. Globalization is leading to an increasingly heterogeneous society everywhere. Advances in imaging technology allow this previously inaccessible pathology to be clinically studied. Edited by internationally renowned clinicians, *Intracranial Atherosclerosis* is the first book to examine intracranial causes of stroke. Clinical practice is allied with basic science to guide all those with an interest in stroke on the diagnosis and management of intracranial atherosclerosis.

The 18 full and 13 short papers presented were carefully reviewed and selected from 255 submissions. They were organized in topical sections named: Image Processing, Pattern Analysis and Machine Vision; Information and Data Convergence; Disruptive Technologies for Future; E-Governance and Smart World

The book "Chapter-wise Daily Practice Problem (DPP) Sheets for Chemistry NEET" contains:  
1. Carefully selected Questions (45 per DPP) in Chapter-wise DPP Sheets for Practice.  
2. The book is divided into 30 Chapter-wise DPPs based on the NCERT.  
3. Time Limit, Maximum Marks, Cutoff, Qualifying Score for each DPP Sheet is provided.  
4. These sheets will act as an Ultimate tool for Concept Checking & Speed Building.  
5. Collection of 1395 MCQ's of all variety of new pattern.  
6. Covers all important Concepts of each Chapter.  
7. As per latest

pattern & syllabus of JEE Main exam.

This book covers the entire topic of recurrent miscarriage extensively. Chapters cover demographics to recent and future management options. A special section on the role of controversial strategies has also been included. Lastly, the book features dedicated chapters on evidence-based approaches, which include step-by-step algorithms for the reader's convenience.

This book has been designed for Undergraduate (Honours) and Postgraduate students of various Indian Universities. A set of objective problems has been provided at the end of each chapter which will be useful to the aspirants of competitive examinations

These Guidelines review the use of medicines such as methadone, buprenorphine, naltrexone and clonidine in combination with psychosocial support in the treatment of people dependent on heroin or other opioids. Based on systematic reviews of the literature and using the GRADE approach to determining evidence quality, the guidelines contain specific recommendations on the range of issues faced in organizing treatment systems, managing treatment programmes and in treating people dependent on opioids. Developed in collaboration with internationally acclaimed experts from the different regions of the globe, this book should be of interest to policy makers, program managers, and clinicians everywhere who seek to alleviate the burden of opioid dependence.

RRB NTPC 23 Solved Papers 2016-17 Stage I & II is a comprehensive book prepared using authentic papers of the RRB NTPC Exam. The book contains 20 sets of 2016-17 Stage I (held in 20 different sittings in March-April 2016) & 3 sets of 2016-17 Stage II (held in 3 different sittings in Jan 2017) papers. Detailed Solutions to all the papers are provided at the end of each paper.

Oil spills can be difficult to manage, with reporting frequently delayed. Too often, by the time responders arrive at the scene, the slick has moved, dissolved, dispersed or sunk. This Oil Spill Monitoring Handbook provides practical advice on what information is likely required following the accidental release of oil or other petroleum-based products into the marine environment. The book focuses on response phase monitoring for maritime spills, otherwise known as Type I or operational monitoring. Response phase monitoring tries to address the questions – what? where? when? how? how much? – that assist responders to find, track, predict and clean up spills, and to assess their efforts. Oil spills often occur in remote, sensitive and logistically difficult locations, often in adverse weather, and the oil can change character and location over time. An effective response requires robust information provided by monitoring, observation, sampling and science. The Oil Spill Monitoring Handbook completely updates the Australian Maritime Safety Authority's 2003 edition of the same name, taking into account the latest scientific advances in physical, chemical and biological monitoring, many of which have evolved as a consequence of major oil spill disasters in the last decade. It includes sections on the chemical properties of oil, the toxicological impacts of oil exposure, and the impacts of oil exposure on

different marine habitats with relevance to Australia and elsewhere. An overview is provided on how monitoring integrates with the oil spill response process, the response organisation, the use of decision-support tools such as net environmental benefit analysis, and some of the most commonly used response technologies. Throughout the text, examples are given of lessons learned from previous oil spill incidents and responses, both local and international. General guidance of spill monitoring approaches and technologies is augmented with in-depth discussion on both response phase and post-response phase monitoring design and delivery. Finally, a set of appendices delivers detailed standard operating procedures for practical observation, sample and data collection. The Oil Spill Monitoring Handbook is essential reading for scientists within the oil industry and environmental and government agencies; individuals with responder roles in industry and government; environmental and ecological monitoring agencies and consultants; and members of the maritime sector in Australia and abroad, including officers in ports, shipping and terminals.

This book gathers the proceedings of the Sixth International Conference on Computational Science and Technology 2019 (ICCST2019), held in Kota Kinabalu, Malaysia, on 29–30 August 2019. The respective contributions offer practitioners and researchers a range of new computational techniques and solutions, identify emerging issues, and outline future research directions, while also showing them how to apply the latest large-scale, high-performance computational methods.

The new Xam Idea for Class XII Biology 2020-21 has been thoroughly revised, diligently designed and uniquely formatted in accordance with CBSE Examination requirements and NEW CBSE guidelines for the session 2020-2021. The features of the new Xam Idea are as follows: 1. The book has been thoroughly revised as per the new CBSE Syllabus 2020-2021. 2. The book is divided into two Sections: Part–A and Part–B. 3. Part–A includes the following: (a) Each Chapter is summarised in the form of precise notes under the heading ‘Basic Concepts’. (b) All NCERT Textbook questions and important NCERT Exemplar questions have been incorporated. (c) Previous 10 Years’ Questions have been added under different sections according to their marks. (d) Objective Type Questions have been included as per new CBSE guidelines. These include Multiple Choice Questions, Very Short answer questions and Assertion-Reason questions carrying 1 mark each. (e) Short Answer Questions carrying 2 marks each and Long Answer Questions carrying 3 marks and 5 marks have also been added. (f) A new section ‘Case-based questions’ has been added as per CBSE guidelines and Examination papers. (g) At the end of every chapter, Self-Assessment Test has been given to test the extent the grasp of the student. 4. Part–B includes the following: (a) CBSE Sample Question Paper 2020 with complete solution. (b) Blueprint as per latest CBSE Syllabus 2020-2021. (c) Unsolved Model Question Papers for ample practice by the student. (d) Solved CBSE Examination Papers 2020 (57/1/1), (57/1/2) and (57/1/3). (e) Solved sets

of remaining four regions' CBSE Examination Papers are given in QR code. The book "Chapter-wise Daily Practice Problem (DPP) Sheets for Biology NEET" contains: 1. Carefully selected Questions (45 per DPP) in Chapter-wise DPP Sheets for Practice. 2. The book is divided into 38 Chapter-wise DPPs based on the NCERT. 3. Time Limit, Maximum Marks, Cutoff, Qualifying Score for each DPP Sheet is provided. 4. These sheets will act as an Ultimate tool for Concept Checking & Speed Building. 5. Collection of 1755 MCQ's of all variety of new pattern. 6. Covers all important Concepts of each Chapter. 7. As per latest pattern & syllabus of JEE Main exam.

This book illustrates, in a comprehensive manner, the most crucial principles involved in pharmacology and allied sciences. The title begins by discussing the historical aspects of drug discovery, with up to date knowledge on Nobel Laureates in pharmacology and their significant discoveries. It then examines the general pharmacological principles - pharmacokinetics and pharmacodynamics, with in-depth information on drug transporters and interactions. In the remaining chapters, the book covers a definitive collection of topics containing essential information on the basic principles of pharmacology and how they are employed for the treatment of diseases. Readers will learn about special topics in pharmacology that are hard to find elsewhere, including issues related to environmental toxicology and the latest information on drug poisoning and treatment, analytical toxicology, toxicovigilance, and the use of molecular biology techniques in pharmacology. The book offers a valuable resource for researchers in the fields of pharmacology and toxicology, as well as students pursuing a degree in or with an interest in pharmacology.

This comprehensive volume provides a balanced and easily readable account of the rise of modern sleep medicine, its history and developmental milestones. Authored by an international group of experts, the remarkable progress and fascinating evolution from rudimentary concepts of the ancient prehistoric and early classical periods to our contemporary knowledge are covered in detail. These examples and their relationship to modern therapies offer neurologists, psychiatrists, respiratory specialists, clinicians, researchers and those interested in sleep medicine an important perspective to the origins of current practice.

This book provides a comprehensive overview of the recent trends in various Nanotechnology-based therapeutics and challenges associated with its development. Nanobiotechnology is an interdisciplinary research that has wide applications in the various fields of biomedical research. The book discusses the various facets of the application of Nanotechnology in drug delivery, clinical diagnostics, Nanomedicine and treatment of infectious and chronic diseases. The book also highlights the recent advancements on important devices and applications that are based on Nanotechnology in medicine and brief the regulatory and ethical issues related to nanomedical devices. It also reviews the toxicological profile of various nanomaterials and emphasizes the need for safe nanomaterials for clinical use. Finally, the book discusses the recent

developments of potential commercial applications of Nanotechnology. Testing and diagnosis of hepatitis B (HBV) and C (HCV) infection is the gateway for access to both prevention and treatment services, and is a crucial component of an effective response to the hepatitis epidemic. Early identification of persons with chronic HBV or HCV infection enables them to receive the necessary care and treatment to prevent or delay progression of liver disease. Testing also provides an opportunity to link people to interventions to reduce transmission, through counselling on risk behaviors and provision of prevention commodities (such as sterile needles and syringes) and hepatitis B vaccination. These are the first WHO guidelines on testing for chronic HBV and HCV infection and complement published guidance by WHO on the prevention, care and treatment of chronic hepatitis C and hepatitis B infection. These guidelines outline the public health approach to strengthening and expanding current testing practices for HBV and HCV, and are intended for use across age groups and populations. The Smart & Innovative Book from Disha 'NTA NEET 101 Speed Tests' contains:

1. 96 Chapter-wise + 3 Subject-wise + 2 Full Syllabus Tests based on the NCERT & NEET Syllabus.
2. Carefully selected Questions (45 per Chapter /Subject & 180 per Full Test) that helps you assess & master the complete syllabus for NEET.
2. The book is divided into 3 parts: (a) 96 Chapter-wise Tests (28 in Physics, 30 in Chemistry & 38 in Biology); (b) 3 Subject-wise (1 each in Physics, Chemistry & Biology); (c) 2 Full Test of PCB.
3. Time Limit, Maximum Marks, Cutoff, Qualifying Score for each Test is provided.
4. These Tests will act as an Ultimate tool for Concept Checking & Speed Building.
5. Collection of 4815 MCQ's of all variety as per latest pattern & syllabus of NEET exam. This book, if completed with FULL HONESTY, will help you improve your score by 15-20%. A Must Have Book in the last 3-4 months of the exam and can be completed in 105 Hrs.

The 5th Edition of the book Objective NCERT Xtract -Biology for NEET, Class 11 & 12, AIIMS consists of Quality Selected MCQs as per current NCERT syllabus covering the entire syllabus of 11th and 12th standard. The most highlighting feature of the book is the inclusion of a lot of new questions created exactly on the pattern of NCERT.

- This book-cum-Question Bank spans through 38 chapters.
- The book provides a detailed 2 page Concept Map for Quick Revision of the chapter.
- This is followed by 3 types of objective exercises: 1. Topic-wise Concept Based MCQs 2. NCERT Exemplar & Past NEET & AIIMS Questions 3. 15-20 Challenging Questions in Try If You Can Exercise
- Detailed explanations have been provided for all typical MCQs that need conceptual clarity.
- The book also includes 5 Mock Tests for Self Assessment. This book assures complete syllabus coverage by means of questions for more or less all significant concepts of Biology. In nutshell this book will act as the BEST PRACTICE & REVISION MATERIAL for all PMT entrance exams.

This book addresses various aspects of male reproduction ranging from mind to testis. The basis of maleness lies in the Y chromosome. Reproductive functions

depend upon the development of male organs from embryo to manhood. Testis, the male gonad, produces hormones and sperms; the latter is ejaculated in semen secreted by accessory sex glands. The testicular events are under neuroendocrine regulation which coordinates reproductive life from puberty to andropause. Biology is as important as psychology in the control of reproduction. Behaviours are rooted in the brain. Various brain areas and neural circuits regulate male behaviours. Brain sexual polymorphism is the basis of homosexuality and transgenders. Neurophysiology has always been complex to understand. But, this book presents it in a simpler way. Reproductive organs receive systemic influences, too. The book describes roles of metabolic, immune and thyroid status in reproduction. The book has chapters on male reproductive pathophysiology. Principles of diagnosis and management are also included. The last section deals with contraception and yoga. The traditional wisdom of yoga has been used for millennia to enhance sexual and reproductive experience. This book will serve basic medical scientists, urologists, nephrologists, surgeons, andrologists, endocrinologists, gynaecologists, nurses, councillors and also the students of biological sciences who want to study reproduction in human male. The language is kept simple so that an inquisitive person with a background of biology too may read it.

This volume provides comparative perspectives on issues related to education, culture, sustainable development and nation-building in India and Canada. It takes cognizance of current research in Indo-Canadian comparative studies and is meant to facilitate further research in these areas. It importantly highlights the trends and growth areas in comparative social science and humanities research between the countries. The chapters in this volume discuss the research that scholars have recently undertaken in both countries and the impact that such comparative research has on developing partnerships, learning methodologies, and socio-cultural narratives that empower interdisciplinary research. The chapter authors take up important issues related to community college development, mental health in education, multilingual education, indigenous populations and their education and development. They discuss issues related to bilateral and foreign trade agreements as well as policies of the two countries on climate change research. Lastly, they discuss indigenous performance cultures and sports in the two countries and the long history of migration from India to Canada. The volume is of interest to a wide readership from the humanities and social sciences, particularly readers interested in Indo-Canadian scholarship.

· Most preferred book of surgery for PG aspirants in 2018 · Only book on surgery for PGMEET written by leading faculty and super specialty surgeon · First book to cover sample video questions on Surgery seeing the changing trends of examinations · The complete content has been updated from the latest Editions of Bailey and Love 27/e, Sabiston's 20/e, Schwartz 10/e, Campbell-Walsh Urology 11/e, Harrison's 20/e, Blumgart's 6/e, Shackelford's 8/e and Devita 11/e · Latest updates of AJCC Cancer staging 8th Edition & ATLS 10th Edition included



- All chapters are reviewed and inputs are given by the concerned super specialty consultants
- Every chapter starts with One Liners which will help you learn the basic points related to the respective chapter
- Several important points like—Extra-Mile, Recent Advances, Must Know, Controversy Desk and High Yield Facts are added to pay special attention while you read the text.
- Highest number of illustrations are given to supplement the text for better understanding of intricate concepts
- Author's Facebook Help Group Page "Surgery Sixer" to clarify all doubts of the readers.

Surgical site infections are caused by bacteria that get in through incisions made during surgery. They threaten the lives of millions of patients each year and contribute to the spread of antibiotic resistance. In low- and middle-income countries, 11% of patients who undergo surgery are infected in the process. In Africa, up to 20% of women who have a caesarean section contract a wound infection, compromising their own health and their ability to care for their babies. But surgical site infections are not just a problem for poor countries. In the United States, they contribute to patients spending more than 400 000 extra days in hospital at a cost of an additional US \$10 billion per year. No international evidence-based guidelines had previously been available before WHO launched its global guidelines on the prevention of surgical site infection on 3 November 2016, and there are inconsistencies in the interpretation of evidence and recommendations in existing national guidelines. These new WHO guidelines are valid for any country and suitable to local adaptations, and take account of the strength of available scientific evidence, the cost and resource implications, and patient values and preferences.

The study of NCERT helps students greatly in various competitive and entrance exams. For prestigious IIT JEE and NEET, NCERT books are all you need to strengthen the fundamentals of the subjects. But students often face problem in understanding the concepts which is why they fail to succeed. To facilitate an easy learning, Doctor Dilip Gangwar who is known throughout the country for his 'Art of Teaching Biology' conceived an idea of bringing out a comprehensive book written in a highly simplistic manner and supported by all the possible elements to enhance the conceptual clarity. Biology Simplified NCERT for class XI is a newly designed book by him which is based on the latest exam pattern and syllabus of NEET UG/AIIMS. It has 22 chapters written in an easy-to-digest manner which qualifies aspirants to comprehend theories with full clarity and reinforces their ability to answer the concept-based problems intellectually. Aimed at easing the study level of NCERT, this book is highly approachable and ensures to help you gain mastery over the subject. Table of Contents The Living World, Biological Classification, Plant Kingdom, Animal Kingdom, Morphology of Flowering Plants, Anatomy of Flowering Plants, Structural Organisation in Animals, Cell: The Unit of Life, Biomolecules, Cell Cycle and Cell Division, Transport in Plants, Mineral Nutrition, Photosynthesis in Higher Plants, Respiration in Plants, Plant Growth and Development, Digestion and Absorption,

Breathing and Exchange of Gases, Body Fluids and Circulation, Excretory Products and their Eliminations, Locomotion and Movement, Neural Control and Coordination, Chemical Coordination and Integration

This book highlights recent advances in computational intelligence for signal processing, computing, imaging, artificial intelligence, and their applications. It offers support for researchers involved in designing decision support systems to promote the societal acceptance of ambient intelligence, and presents the latest research on diverse topics in intelligence technologies with the goal of advancing knowledge and applications in this rapidly evolving field. As such, it offers a valuable resource for researchers, developers and educators whose work involves recent advances and emerging technologies in computational intelligence.

Enzyme Inhibition and Bioapplications is a concise book on applied methods of enzymes used in drug testing. The present volume will serve the purpose of applied drug evaluation methods in research projects, as well as relatively experienced enzyme scientists who might wish to develop their experiments further. Chapters are arranged in the order of basic concepts of enzyme inhibition and physiological basis of cytochromes followed by new concepts of applied drug therapy; reliability analysis; and new enzyme applications from mechanistic point of view.

Guidelines on Hepatitis B and C Testing

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