

FREE MODERN ZOOLOGY DR RAMESH GUPTA

Competition Science Vision

Competition Science Vision (monthly magazine) is published by Pratiyogita Darpan Group in India and is one of the best Science monthly magazines available for medical entrance examination students in India. Well-qualified professionals of Physics, Chemistry, Zoology and Botany make contributions to this magazine and craft it with focus on providing complete and to-the-point study material for aspiring candidates. The magazine covers General Knowledge, Science and Technology news, Interviews of toppers of examinations, study material of Physics, Chemistry, Zoology and Botany with model papers, reasoning test questions, facts, quiz contest, general awareness and mental ability test in every monthly issue.

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Modern Text Book of Zoology: Invertebrates

About the Book: The dimensions of Zoology are fast increasing with modern concepts on animal biodiversity, biochemistry modern taxonomy and electron microscopy leading to higher concept of nanotechnology. The importance of basic zoology even then cannot be ignored as most teachers and researchers rightly felt the need for a strong base in general zoology as a pre-requisite for all aspects of modern specialization. The present book A Text Book of Advance Zoology definitely serves a great deal towards the fulfillment of this aim. It is therefore, found extremely necessary to bring out the present volume of the text book in a more useful and enlarged form to serve the basic purpose of the graduate students of all Indian Universities. This volume has been thoroughly revised and enlarged to fulfill the advanced students' requirements. The authors are thankful to the College and Universities teachers for their encouragement the enlargement of this volume.

Textbook Of Modern Zoology (vol-I)

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Textbook Of Modern Zoology (2 Vols)

This introductory textbook covers the fundamentals of engineering mechanics (solid mechanics and fluid mechanics) and thermodynamics. The solid mechanics chapters cover the basic topics on statics, dynamics, and strength of materials. The fluid mechanics chapters deal with elementary aspects of fluid at rest and in motion. The last chapters discuss thermodynamic principles. The contents include solved examples in an attempt to clarify the topics.

Textbook Of Modern Zoology (vol-Ii)

Discover how the application of novel multidisciplinary, integrative approaches and technologies are dramatically changing our understanding of the pathogenesis of infectious diseases and their treatments. Each article presents the state of the science, with a strong emphasis on new and emerging medical applications. The Encyclopedia of Infectious Diseases is organized into five parts. The first part examines current threats such as AIDS, malaria, SARS, and influenza. The second part addresses the evolution of pathogens and the relationship between human genetic diversity and the spread of infectious diseases. The next two parts highlight the most promising uses of molecular identification, vector control, satellite detection, surveillance, modeling, and high-throughput technologies. The final part explores specialized topics of current concern, including bioterrorism, world market and infectious diseases, and antibiotics for public health. Each article is written by one or more leading experts in the field of infectious diseases. These experts place all the latest findings from various disciplines in context, helping readers understand what is currently known, what the next generation of breakthroughs is likely to be, and where more research is needed. Several features facilitate research and deepen readers' understanding of infectious diseases: Illustrations help readers understand the pathogenesis and diagnosis of infectious diseases Lists of Web resources serve as a gateway to important research centers, government agencies, and other sources of information from around the world Information boxes highlight basic principles and specialized terminology International contributions offer perspectives on how infectious diseases are viewed by different cultures A special chapter discusses the representation of infectious diseases in art With its multidisciplinary approach, this encyclopedia helps point researchers in new promising directions and helps health professionals better understand the nature and treatment of infectious diseases.

The Marriage Mantra

Why is life the way it is? Bacteria evolved into complex life just once in four billion years of life on earth- and all complex life shares many strange properties, from sex to ageing and death. If life evolved on other planets, would it be the same or completely different? In *The Vital Question*, Nick Lane radically reframes evolutionary history, putting forward a cogent solution to conundrums that have troubled scientists for decades. The answer, he argues, lies in energy: how all life on Earth lives off a voltage with the strength of a bolt of lightning. In unravelling these scientific enigmas, making sense of life's quirks, Lane's explanation provides a solution to life's vital questions: why are we as we are, and why are we here at all? This is groundbreaking science in an accessible form, in the tradition of Charles Darwin's *The Origin of Species*, Richard Dawkins' *The Selfish Gene*, and Jared Diamond's *Guns, Germs and Steel*.

A Textbook of Modern Zoology (Vol-1)

Chemical Drug Design provides a compact overview on recent advances in this rapidly developing field. With contributions on in silico drug design, natural product based compounds, as well as on ligand- and structure-based approaches, the authors present innovative methods and techniques for identifying and synthetically designing novel drugs.

A Textbook of Modern Zoology (Vol-2)

Micro-organisms are highly ubiquitous in nature and manifold in their activity. Interest in microbiology increased quite significantly due to wide application of micro-organisms in studying different biological processes. An attempt has been made to introduce the readers to several areas of microbiology and microbial biotechnology and to provide insight into basic concepts of biology and practical applications of micro-organisms. To assist the readers in understanding the text, several illustrations and figures have been incorporated in the current volume. The topics covered in this volume are arranged in such a way as to maintain the thread of continuity with Volume One as well as to make it easy for those who are not acquainted with Volume One of the series. The editors believe that the previous book of the series, *Recent Advances in Microbiology Volume-1*, would also be helpful to readers in strengthening their concepts about different areas of microbiology and microbial biotechnology.

Modern Zoology

This new edition of an established textbook for medical students has been thoroughly updated and redesigned to include high yield learning tools and aids. The new edition also includes extensively revised coverage of developmental aspects and physiological variations due to age and gender. In addition, some important topics which usually receive scant attention in textbooks of physiology, such as ergonomics, the pineal gland and space physiology, have been given comprehensive treatment in new chapters. Most topics include self assessment material.

Modern Experimental Zoology

With the proliferation of devices connected to the internet and connected to each other, the volume of data collected, stored, and processed is increasing every day, which brings new challenges in terms of information security. As big data expands with the help of public clouds, traditional security solutions tailored to private computing infrastructures and confined to a well-defined security perimeter, such as firewalls and demilitarized zones (DMZs), are no longer effective. New security functions are required to work over the heterogeneous composition of diverse hardware, operating systems, and network domains. *Security, Privacy, and Forensics Issues in Big Data* is an essential research book that examines recent advancements in big data and the impact that these advancements have on information security and privacy measures needed for these networks. Highlighting a range of topics including cryptography, data analytics, and threat detection, this is an excellent reference source for students, software developers and engineers, security analysts, IT consultants, academicians, researchers, and professionals.

Mechanical Sciences

The text begins by reviewing, in a simple and precise manner, the physical principles of three pillars of Refrigeration and Air Conditioning, namely thermodynamics, heat transfer, and fluid mechanics. Following an overview of the history of refrigeration, subsequent chapters provide exhaustive coverage of the principles, applications and design of several types of refrigeration systems and their associated components such as compressors, condensers, evaporators, and expansion devices. Refrigerants too, are studied elaboratively in an exclusive chapter. The second part of the book, beginning with the historical background of air conditioning in Chapter 15, discusses the subject of psychrometrics being at the heart of understanding the design and implementation of air conditioning processes and systems, which are subsequently dealt with in Chapters 16 to 23. It also explains the design practices followed for cooling and heating load calculations. Each chapter contains several worked-out examples that clarify the material discussed and illustrate the use of basic principles in engineering applications. Each chapter also ends with a set of few review questions to serve as revision of the material learned.

Encyclopedia of Infectious Diseases

Explore the English Edition e-book for B.Sc. 5th Semester, focusing on 'Diversity of Chordates and Comparative Anatomy' (Zoology Paper-II). This comprehensive e-book, published by Thakur Publication Pvt. Ltd., is aligned with the NEP and follows the Common Minimum Syllabus for all UP State Universities. Dive into the fascinating world of chordates and comparative anatomy, enhancing your understanding of zoology. Access this valuable resource and excel in your B.Sc. studies with Thakur Publication's e-book.

Forgotten Atrocities

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The Vital Question

The South Asian subcontinent is home to nearly a billion people and has been the site of fierce historical contestation. It is a panoply of languages and religions with a rich and complex history and culture. Drawing on the newest and most sophisticated historical research and scholarship in the field, Modern South Asia is written in an accessible style for all those with an intellectual curiosity about the region. After sketching the pre-modern history of the subcontinent, the book concentrates on the last three centuries from c.1700 to the present. Jointly written by two leading Indian and Pakistani historians, it offers a rare depth of historical understanding of the politics, cultures and economies that shape the lives of more than a fifth of humanity. In this comprehensive study, the authors debate and challenge the striking developments in contemporary South Asian history and historical writing. The book provides new insights into the structure and ideology of the British raj, the meaning of subaltern resistance, the refashioning of social relations along lines of caste, class, community and gender, the different strands of anti-colonial nationalism and the dynamics of decolonization. This book is a work of synthesis and interpretation covering the entire spectrum of modern South Asian history - social, economic and political. The authors offer an understanding of this strategically and economically vital part of the world.

Chemical Drug Design

This book explores the role of the social and natural sciences in supporting the development of indigenous knowledge systems. It looks at how indigenous knowledge systems can impact on the transformation of knowledge generating institutions such as scientific and higher education institutions on the one hand, and the policy domain on the other.

Recent Advances in Microbiology

Unit-I-Reproduction 1.Reproduction in Organisms, 2 .Sexual Reproduction in Flowering Plants (Angiosperms), 3 .Human Reproduction, 4. Reproductive Health, Unit-II-Genetics and Evolutions 5.Principles of Inheritance and Variation, 6. Molecular Basis of Inheritance, 7 .Evolution, Unit-III-Biology in Human Welfare 8.Human Health and Diseases, 9. Strategies for Enhancement in Food Production, 10. Microbes in Human Welfare, Unit-IV-Biotechnology 11.Biotechnology : Principles and Processes, 12. Biotechnology and its Applications, Unit-V : Ecology and Environment 13.Organisms and Populations, 14. Ecosystem, 15 .Biodiversity and Conservation, 16.Environmental Issues, Value Based Questions (VBQ) Board Examination Papers.

Understanding Medical Physiology

The book has been designed as per the Syllabus prescribed by the University of Madras for Paper on 'Financial Accounting' effective 2020-21 for B.Com. Degree First and Second Semesters Core Course; B.Com. (A & F), B.Com. (CS), B.Com. (BM), B.Com. (MM), B.Com. (CA) & B.Com. (ISM)

Security, Privacy, and Forensics Issues in Big Data

The present book has been designed to bind prime knowledge of climate change-induced impacts on various aspects of our environment and its biological diversity. The book also contains updated information, methods and tools for the monitoring and conservation of impacted biological diversity.

Refrigeration and Air Conditioning

Policymaking in India evokes an image of rational decision-making and technical optimality. However, the arena of policymaking is characterized by conflict and contestation resolved through processes of negotiations and compromises. A significant amount of research in India focuses on policy goals and consequences, and less on policy processes. Breaking away from that approach, Public Policy and Politics in India directly addresses policy processes and discusses the role of institutions in policymaking in India. The wide-ranging essays cover issues such as environment, education, Parliament, liberalization, and governance. They highlight failures of implementation resulting from deep-rooted flaws in overall policy design. The volume aims not only to provoke a debate but also to encourage more systematic studies in the area.

DIVERSITY OF CHORDATES & COMPARATIVE ANATOMY (Zoology Paper-II) English Edition

Product Dimensions: 21x15x3 cm. 10 edition. Contents: CONTENTS:1.Introduction 2.Cellular Basis of Development 3.DNA, RNA and Protein Synthesis 4.Male Gonads and Spermatogenesis 5. Female Gonads and Oogenesis 6.Semination, Ovulation and Transportation of Gametes 7.Reproductive Cycles . Fertilization 8 Parthenogenesis 9 Cleavage and Blastulation - Nucleus and Cytoplasm in Development 10 Fate Maps and Cell Lineage, Gastrulation , Neurulation, Morphogenesis and Growth 11 Embryogenesis of a Simple Ascidian - Embryogenesis of Amphioxus 12 Embryogenesis of Frog 13. Detailed Account of Organogenesis of Frog 14 Embryogenesis of Chick. 14 Early Embryogenesis of Eutherian Mammal 15 Rabbit Placenta and Placentation 16 Gradient Theory 15 Embryonic Inductions and Competence 17 Differentiation Asexual Reproduction and Blastogenesis 18 Regeneration 19 Metamorphosis 20 Teratogenesis 21 Birth Control 22 Impotency, Sterility, Artificial Insemination, Test-tube Baby and GIFT, Glossary 23 Selected Reading 24 Index.

Competition Science Vision

Advances in Environmental Pollution Management: Wastewater Impacts and Treatment Technologies has been designed to bind novel knowledge of wastewater pollution-induced impacts on various aspects of our environment. The book also contains novel methods and tools for the monitoring and treatment of produced wastewater.

Modern South Asia

The book Botany for NEET and other Medical Entrance Examinations is meant for students who want to compete the medical entrance examinations viz. NEET, AIIMS and JIPMER. This book contains 24 chapters adhering to the latest syllabus of NCERT. Each chapter contains short and long answers type questions in the end for the benefit of students preparing for NEET. The content is thorough and comprehensive in each

chapter which have limited number of most probable and standard multiple-choice questions. The language of the book is lucid and is arranged in readable and interesting manner. This book will also cater to the needs of all such students who are associated with Botany.

Indigenous Knowledge and the Integration of Knowledge Systems

There Is No Comprehensive Work Available On The Subject Of Venture Capitalism And This Book Attempts To Fill The Gap. It Will Be Of Interest To Students And Professionals In The Banking And Financial Sectors.

Biology Class XII - SBPD Publications

The whistling dog, or dhole, of India is a little-known, distant cousin of our domestic dog. Highly intelligent, wary of man, and elusive as a jungle predator, this rare and beautiful creature is one of the most difficult animals to study. Its very nature defies the patience and skill of the most dedicated naturalist. Yet knowledge about its habits and a more widespread understanding and appreciation of this species are essential for its protection and continued survival. For, like so much of the world's wildlife today, the dhole is a species threatened with extinction. The first in-depth field study of the whistling dog, *The Whistling Hunters* examines the dhole in the animal's environment. The book is based on the author's field studies and the observations of other naturalists. It presents all the facts currently known about the species, as it makes a passionate plea for conservation and the reevaluation of our land-use patterns. The book is also an attempt to understand the essence of wilderness since it, too, like the whistling dog, is an endangered species.

Financial Accounting

For B.Sc. and B.Sc(hons.) students of all Indian Universities & Also as per UGC Model Curriculum. The multicoloured figures and arrestingly natural photographs effectively complement the standard text matter. The target readers shall highly benefit by correlating the content with the multicoloured figures and photographs. The book has been further upgraded with addition of important questions: long, short, very short and multiple questions in all chapters. A complete comprehensive source for the subject matter of various university examinations.

Biological Diversity: Current Status and Conservation Policies

Developments in the realm of digitalization, cultural scenario and in consumer decision making—witnessed in the last couple of years—had brought about a need to revise *Consumer Behaviour and Branding: Concepts, Readings and Cases-The Indian Context*.

Public Policy and Politics in India

Advances in Nanomedicine for the Delivery of Therapeutic Nucleic Acids addresses several issues related to safe and effective delivery of nucleic acids (NAs) using nanoparticles. A further emphasis would be laid on the mechanism of delivery of NAs, the barriers encountered and the strategies adapted to combat them. An exhaustive account of the advantages as well shortcomings of all the delivery vectors being employed in delivery of various NAs will be provided. On final note the regulatory aspects of nanoparticles mediated NA would be discussed, with focus on their clinical relevance. The design and development of nucleic acid-based therapeutics for the treatment of diseases arising from genetic abnormalities has made significant progress over the past few years. NAs have been widely explored for the treatment of cancer and infectious diseases or to block cell proliferation and thereby caused diseases. Advances in synthetic oligonucleotide chemistry resulted in synthesis of NAs that are relatively stable in in vivo environments. However, cellular targeting and intracellular delivery of NAs still remains a challenge. Further development of NA-based therapeutics

depends on the progress of safe and effective carriers for systemic administration. Nanomedicine has facilitated availability of vectors with diminished cytotoxicity and enhanced efficacy which are rapidly emerging as systems of choice. These vectors protect NAs from enzymatic degradation by forming condensed complexes along with targeted tissue and cellular delivery. During the past few years, a myriad reports have appeared reporting delivery of NAs mediated by nanoparticles. This book will provide an overview of nanoparticles being employed in the in vitro and in vivo delivery of therapeutically relevant NAs like DNA, siRNA, LNA, PNA, etc. Provides a complete overview of the applications of nanomedicine in the delivery of nucleic acids, from characterization of nanoparticles, to in vitro and in vivo studies. Discusses delivery issues of less well explored nucleic acids, like PNAs, Ribozymes, DNAzymes, etc. Summarizes the current state of research in nucleic acid delivery and underscores the future of nanomedicine in this field

Chordate Embryology

Advances in Environmental Pollution Management: Wastewater Impacts and Treatment Technologies

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