

Kotpal Vertebrate Zoology Wasabi Web

Modern Text Book of Zoology: Invertebrates Rastogi Publications
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A Modern Textbook of Zoology -

Vertebrates Invertebrate Zoology S. Chand Publishing

For B.Sc., B.Sc.(Hons.) and M.Sc. Classes of All Indian Universities

BUILDING CONSTRUCTION

Cell Biology, Genetics, Molecular Biology, Evolution and Ecology

Comparative Anatomy of the Vertebrates

Immunology

Chordate Embryology

This textbook has been designed to meet the needs of B.Sc. (Hons.) Second Semester students of Zoology as per the UGC Choice Based Credit System (CBCS). Comprehensively written, it explains the essential principles, processes and methodology of Coelomate Non-Chordates and Cell Biology. This textbook is profusely illustrated with well-drawn labelled diagrams, flow charts and tables, not only to supplement the descriptions, but also for sound understanding of the concepts.

This text has been written for the undergraduate students of micro-biology, immunology courses and nursing courses. The student of medicine will find that the pathogenesis on many disease processes are explained using an immunological basis.

Placentation in Mammals

Vertebrate Embryology

Chordate Zoology

Introductory Textbook

Tribute to E.C. Amoroso's Lifetime Contributions to Viviparity

The Vertebrata is one of the most speciose groups of animals, comprising more than 58,000 living species. This book provides a detailed account on the comparative anatomy, development, homologies and evolution of the head, neck, pectoral and forelimb muscles of vertebrates. It includes hundreds of illustrations, as well as numerous tables showing the homologies between the muscles of all the major extant vertebrate taxa, including lampreys, elasmobranchs, hagfish, coelacanth, dipnoans, actinistians, teleosts, halecomorphs, ginglymodians, chondrosteans, caecilians, anurans, urodeles, turtles, lepidosaurs, crocodylians, birds, and mammals such as monotremes, rodents, tree-shrews, flying lemurs and primates, including modern humans. It also provides a list of more than a thousand synonyms that have been used by other authors to designate these muscles in the literature. Importantly, it also reviews data obtained in the fields of evolutionary developmental biology, molecular biology and embryology, and explains how this data helps to understand the evolution and homologies of vertebrate muscles. The book will be useful to students, teachers, and researchers working in fields such as functional morphology, ecomorphology, evolutionary developmental biology, zoology, molecular biology, evolution, and phylogeny. As the book includes crucial

information about the anatomy, development, homologies, evolution and muscular abnormalities of our own species, Homo sapiens, it will also be helpful to physicians and medical students.

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 17 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.

A Manual of Practical Zoology: INVERTEBRATES

Animal Physiology

Comparative Anatomy, Evolution, Homologies and Development

Practical Zoology

Comparative Physiology of Vertebrate Respiration

FOR B.Sc & B.Sc.(Hons) CLASSES OF ALL INDIAN UNIVERSITIES AND ALSO AS PER

UGC MODEL CURRICULUM Contents: CONTENTS:Protochordates:Hemichordata

1.Urochordata Cephalochordata Vertebrates : Cyclostomata 3. Agnatha, Pisces Amphibia 4.

Reptilia 5. Aves Mammalia 7 Comparative Anatomy: Integumentary System 8 Skeletal System

Coelom and Digestive System 10 Respiratory System 11. Circulatory System Nervous System

13. Receptor Organs 14 Endocrine System 15 Urinogenital System 16 Embryology Some

Comparative Charts of Protochordates 17 Some Comparative Charts of Vertebrate Animal

Types 18 Index.

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Zoology for Degree Students (For B.Sc. Hons. 2nd Semester, As per CBCS)

A Textbook of Vertebrate Zoology

Comparative Anatomy, Function, Evolution

Biology of the Invertebrates

Practical Zoology Invertebrate

The book provides discussion on all aspects of Invertebrates as covered in

Practical Zoology. Beginning with general techniques of preparation of cultures of Protozoa, microscopic slides and laboratory reagents, it also covers in tabular and detailed form, recent classification of various invertebrate phyla with examples of each order or suborder. Wide coverage of each phylum, and diagrams of major and minor dissections make the book equally useful for both undergraduate and postgraduate students.

This textbook is the most concise and readable invertebrates book in terms of detail and pedagogy (other texts do not offer boxed readings, a second color, end of chapter questions, or pronunciation guides). All phyla of invertebrates are covered (comprehensive) with an emphasis on unifying characteristics of each group.

Modern Text Book of Zoology: Vertebrates

Laboratory Manual of Entomology

Invertebrates

Evolution and Ecology

Vertebrates

*This Book Provides Students With A Clear And Systematic Working Manual For Laboratory Work. Besides Providing A Clear Explanation Of Insects Structure And Function. The Book Presents Adequate Exercises To Reconfirm The Understanding Of The Subject. The Hands-On-Activities Presented Throughout The Text Provide Opportunities For The Students To Get Personally Involved In Entomology. Salient Features: * Provides Foundation In Structure-Function Concepts Of Both External And Internal Anatomy Of Insects. * Chapters On Insect Classification And Pest Identification With Help In Recognising The Insect Pest Species In The Field. * Procedures For Standard Laboratory Insecticide Experiments And Various Types Of Insecticide Application Equipment Have Been Highlighted.*

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.

Principles of Animal Physiology

Text Book of Vertebrate Zoology

Protozoa

Muscles of Vertebrates

The revised edition of this bestselling textbook provides latest and detailed account of vital topics in biology, namely, Cell Biology, Genetics, Molecular Biology, Evolution and Ecology. The treatment is very exhaustive as the book devotes exclusive parts to each topic, yet in a simple, lucid and concise manner. Simplified and well labelled diagrams and pictures make the subject interesting and easy to understand. It is developed for

students of B.Sc. Pass and Honours courses, primarily. However, it is equally useful for students of M.Sc. Zoology, Botany and Biosciences. Aspirants of medical entrance and civil services examinations would also find the book extremely useful.

S.C. Rastogi, Formerly Professor Of Biological Sciences, B.I.T.S., Pilani, Has Vast Experience Of Teaching And Research Spanning More Than 40 Years. After His Training In Molecular Biology At Tata Institute Of Fundamental Research (Tifr), Mumbai, He Worked Constantly To Modernise Biology Courses At Bits. He Has Taught And Supervised Doctoral Research In Computer Applications In Molecular Biology, Enzyme Biotechnology And Physiology, And Has Successfully Completed Several Research Projects. He Has Edited Many Proceedings Of Scientific Symposia And Authored Research Papers And Books In The Field Of Bioinformatics, Biochemistry, Physiology, Molecular Biology And Biotechnology. As A Biologist Of Repute, And Accredited With Many Educational Innovations, He Has Been A Constant Participant In Course Development Work At Bits And Other universities.

Textbook of Zoology

A Modern Textbook of Zoology - Vertebrates

Animal Diversity

Invertebrate Zoology

Ecology And Environment

This book, a companion volume to the author's book on Building Materials, explains the basics of building construction practices in an accessible style. It discusses in detail every element of building construction from start to the finish—from site preparation to provision of services (such as water supply, drainage and electricity supply). Besides, the text describes acoustics and maintenance of buildings, which are important considerations in construction of buildings. This book is primarily designed as an introductory textbook for undergraduate students of civil engineering as well as those pursuing diploma courses in civil engineering and architecture.

Practising engineers and any person who has a keen interest in the construction and maintenance of his/her own building will also find the book very helpful. KEY FEATURES : □ Separate Appendix is given to discuss earthquake-resistant design of buildings. □ Review Questions provided at the end of each chapter enable the readers recapitulate the topics. □ The references to IS codes and standards make the text suitable for further study and field use. □ Because of the lecture-based presentation of the subject, the text will be of considerable benefit for the young teachers for their classroom lectures.

1. Introduction 2. Climatic and Topographic Factors 3. Edaphic Factors (Soil Science) 4. Biotic Factor 5. Ecological Adaptations 6. Autecology of Species 7. Population - Structure and Dynamics 8. Community-Structure and Classification 9. Community Dynamics (Ecological Succession) 10. Ecosystem: Structure and Function 11. Habitat Ecology 12. Degradation of Natural Resources and the

Environmental Problems 13. *Energy Crisis and Non-Conventional Sources* 14. *Biodiversity and Wildlife of India and its Conservation* 15. *Environment and Development-India's Viewpoint* 16. *Global Warming and Climate Change* 17.

Zoology of the invertebrate animals

Immunodiagnositics: Principles and Practice

Invertebrate Zoology (Multicolour Edition)

Microbiology (Questions and Answers), 5e

Invertebrate Zoology

Microbiology is an engaging textbook presenting balanced and comprehensive account of major areas of microbiology in the form of questions and answers. This question- answer approach to present complex topics and theories of microbiology regarding cellular and non-cellular microorganisms, microbial genetics and molecular biology in higher plants and animals, makes the subject interesting and easily comprehensible for the students.

'Principles of Animal Physiology' includes research on animal genetics and genomics, methods and models and offers a broad range of vertebrate and invertebrate examples, combining clear explanations and a comprehensive supplements package.

ECONOMIC ZOOLOGY.

Modern Text Book of Zoology Vertebrates [Animal Diversity - li]

Modern Text Book of Zoology: Invertebrates

PRACTICAL ZOOLOGY.

Introduction To General Zoology Vol 2

The present volume of the book series *Advances in Anatomy, Embryology and Cell Biology* brings together current reviews from leading experts to address the diversity of placentation by which species establish and maintain pregnancy. Development of viviparity and placentation in rodents, dogs, pigs, cattle, horses, marsupials, primates and elephants are discussed. The development of viviparity in mammals, including some invertebrate species, required the adaptation of the placenta to serve as a functional conduit for interplay between the semiallograftic fetus with the maternal uterus. Although the 'placenta' protects the fetus from maternal immune rejection and provides oxygen and nutrient flow to support it to term across all the species, structural differentiation of this fetal-maternal interface can vary from simple to very complex. E.C. Amoroso contributed greatly to our early understanding and knowledge of placentation across a great variety of species. His work on placentation provides numerous illustrations and

histological sections which are used for teaching and stimulating research today. With this book, we want to pay tribute to his lifetime contributions to the field by reviewing our current understanding of the development of viviparity and placentation in different species. The book is written for researchers, physicians and medical students working in the field of reproductive science or with an interest in placentation and viviparity.

"Animal Diversity is tailored for the restrictive requirements of a one-semester or one-quarter course in zoology, and is appropriate for both nonscience and science majors of varying backgrounds. This Ninth edition of Animal Diversity presents a survey of the animal kingdom with emphasis on diversity, evolutionary relationships, functional adaptations, and environmental interactions"--