Chordate Embryology By Verma And Agarwal

This book is especially prepared for the students of B.Sc. and M.Sc. of different Indian Universities as per UGC Model Curriculum. Students, preparing for Medical Entrance Examination, IAS, IFS, and PCS etc. will also be benefited by this book. At the end of some chapters of Genetic Engineering may enlighten the target readers. Entirely new information on Quantitative Genetics and Immunogenetics may enthral the readers. MCQ's ans answers will also be helpful for the students to strngthen their self confidence. By the help of numerous figures, many tables, boxes and coloured photographs, this book has tried to serve a balanced account of Classical Genetics and Modern Molecular Genetics. • This book is for Graduate, P.G. students of Biophysics, Microbiology& Biological Sciences.

Well-labelled illustrations, diagrams, tables, figures and experiments have been given to support the text, wherever necessary.

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 muliticoloured 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.

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 regents, 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.

Introduction and techniques; Introductory history; Laboratory organisation; Media; Aseptic manipulation; Basic aspects; Cell culture; Cellular totipotency; Somatic embryogenesis; Applications to plant breeding; Haploid prodution; Triploid production; In vitro pollination and fertilization; Zygotic embryo culture; Somatic hybridisation and cybridisation; Genetic transformation; Somaclonal and gametoclonal variant selection; Application to horticulture and forestry; Production of disease-free plants; clonal propagation; General applications; Industrial applications: secondary metabolite production; Germplasm conservation.

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

This textbook is an introduction to the Science of Animal Behaviour Presently this subject is introduced in most of the Indian Universities in B.Sc. IIIrd year and Post-graduate classes.

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

Contents: CONTENTS:Protochordates:Hemicholrdata 1.Urochordata Cephalochordata Vertebrates : Cyclostomata 3. Agnatha, Pisces Amphibia 4. Reptilia 5. Aves Mammalia 7 Comparative Anatomy:lntegumentary 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.

S.Chand’ S Biology For Class XI - CBSE

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

S.Chand’ S Biology -XII - CBSE

Pedagogically enriched, the book provides engaging chpter-end assessment exercises to enhance and strengthen learning of the readers

This textbook has been designed to meet the needs of B.Sc. First Semester students of Botany as per the UGC Choice Based Credit System (CBCS). It acquaints students with general characteristics, classification and economic importance of various divisions of biodiversity i.e., Microbes, Algae, Fungi and Archegoniate. While it provides strong conceptual understanding of the subject, it also helps in developing scientific outlook of the student.

Molecular Biology

Chordate EmbryologyS. Chand Publishing

This new edition has been fully revised to provide undergraduate medical students with the latest information on human embryology. Beginning with an introduction to the topic, the following chapters guide students step by step though the complete process of human development. Presented in an easy to read format, the tenth edition includes numerous images and illustrations and a ‘Timetable of Events’ at the end of each chapter summarises the developmental processes described in that section. The accompanying CD ROM reiterates the key learning points in the book. Key points Fully revised, new edition presenting latest information on human embryology ‘Timetable of Events’ in each chapter summarises developmental processes Includes CD highlighting key learning points Previous edition published in 2012

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.

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 Gonadsand Oogenesis 6.Semination, Ovulation and Transportation of Gametes 7.Reproductive Cycles . Fertilization 8 Parthenogemsis 9 Cleava and Blastulation - Nucleus and Cytoplasm in Development 10 Fate Maps and Cell Lineage, Gastrulation , Neurulation, Morphgenesis and Growth 11 Embryogenesis of a Simple Ascidian - Embryogenesis of Amphioxus 12 Embryogenesis of Frog 13. Detailed Account of Organogenesis of Frog lEmbryogenesis of Chick.14 Early Embryogenesis of Eutherian Mammal 15 Rabbit Placenta and Placentation 16 Gradient Theory lEmbryonic Inductions and Competence 17 Differentiation Asexual Reproduction and Blastogenesis 18 Regeneration 19 Metamorphosis 20Teratogenesis 21 Birth Control 22 Impotency, Sterility, Artificial Insemination, Test-tube Baby and GIFT, Giossary 23 Selected Reading 24 Index.

For Zoology Degree Level Students. A few chapters e.g.,microscope and chromatography have been included afresh. Besides these a few dissections, several museum specimens and permanenet slides have also been added at appropiate places

The book Genetic Engineering although developed for B.Sc., students of all Indian Universities is also useful to students of M.Sc. BE/B.Tech and Medical entrance exams. The matter is presented in simple,lucid language and student friendly style. Well illustrated pictures support to clarify the text. Glossary and Index at the end of the book helps students for easy reference and understanding.

Proceedings of the 16th All India Congress of Zoology and National Symposium on Recent Advances in Animal Research with Special Emphasis on Invertebrates, held at Aurangabad during 21-23 October 2005.

For Zoology Degree Level Students.Several new diagrams, cytology phenomena have been added afresh In this revised edition, in the first three chapters, the subject matter has been altered as per new cytological advances and latest cytochemical techniques in this century. In chapter one, the feature of Nobel Prize Recipients has been updated. In chapter two, examples of optical microscopes have been covered in full detail. In chapter three, principles and types of chromatography have been expanded and covered adequately with diagrams. In chapter nine, the title has been altered to ';';Golgi Apparatus (Complex)" as per latest specification. New Glossary (with latest cytological terms) has been freshly incorporated.

Unit I : Animal Diversity-I (Non Chordate :Lower & Higher) Part A : Lower Non-Chordates (Invertebrates) Part B: Higher Non-Chordate Unit-Ii : Cell Biology & Biochemistry Unit-Iii : Genetics

FOR UNIVERSITIY & COLLEGE STUDENTS IN INDIA & ABROAD Due to expanding horizon of biotechnology, it was difficult to accommodate the current information of biotechnology in detail. Therefore, a separate book entitled Advanced Biotechnology has been written for the Postgraduate students of Indian University and Colleges. Therefore, the present form of A Textbook of Biotechnology is totally useful for undergraduate students. A separate section of Probiotics has been added in Chapter 18. Chapter 27 on Experiments on Biotechnology has been deleted from the book because most of the experiments have been written in ';Practical Microbiology' by R.C. Dubey and D.K. Maheshwari. Bibliography has been added to help the students for further consultation of resource materials.

This textbook has been designed to meet the needs of BSc Second Semester students of Botany as per the UGC Choice Based Credit System (CBCS). It acquaints students with abiotic and biotic components of the ecosystem and their interactions at different levels. It also covers origin of angiosperms, their phylogeny and classification using various methods. While it provides strong conceptual understanding of the subject, it also helps in developing scientific outlook of the student.

ADVANCED PRACTICAL ZOOLOGY For B.Sc. III Yr,B.Sc.(H) and M.Sc. Students of All Indian University

This Voume includes Plant Anataomy, Reproduction in Flowering Plants, BioChemistry, Plant Physiology, Biotechnology, Ecology, Economic Botany, Cell Biology, and Genetics, For Degree m Honours and Post Graduate Students.

A series of six books for Classes IX and X according to the CBSE syllabus

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.

Thoroughly revised to cater the needs of Graduate and Post Graduate students spanning various colleges and Universities nationwide. This fourth revised edition has the following latest features. > The textbook is written in a clear lucid manner to cover the theortical, practical and applied aspect of biostatistics. > Well-labelled illustrations, diagrams, tables and adequate examples complement the text so that student may practice on their own. > Numerous examination oriented solved problems as well as number of topics viz set theory, Bionomial Expansion, Permutation, Combination and Non-Parametric Statistics have been incorporated. > Theortical Discussions as well as solution of problems have been represented in unambiguos language so as to clear to the needs of all students of Biosciences (Zoology, Botany, Physiology, Microbiology and Biotechnology etc.)

CD-ROM contains: Interactive videos -- Labeled photographs.