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Annual Report

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The Ordinances of the Mayor and City Council of Baltimore, Passed at the January Sessions, 1858(-1869). To which is Annexed the Mayor's Communication, Reports of City Officers (annual Report of the Board of Commissioners of Public Schools) and a List of the Members of the City Council and Officers of the Corporation

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Botany for Degree Students (For B.Sc. 2nd Semester, As per CBCS) S. Chand Publishing

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The present book is for B.Sc(I) yr, strictly based on UGC Model syllabus for all Indian Universities. Each unit or chapter as the case may be is followed by various types of questions, such as very short, short, long answer questions, digrammatic questions and multiple choice questions, asked repeatedly questions have been included.

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

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.

Senate Documents, Otherwise Publ. as Public Documents and Executive Documents Routledge

University Botany-iii Is A Comprehensive Text Book For Students Of 3Rd Year B.Sc Botany. The Book Is Written Strictly In Accordance With Revised Common Core Syllabus Adopted By All The Universities In Andhra Pradesh. Every Care Has Been Taken To Present The Subject In A Simple Language And In A Profusely Illustrated Manner For Better Understanding. The Book Is Divided Into Three Parts. Part A Deals With The Morphology, Taxonomy And Economic Importance Of Different Families. It Also Deals With

Basic Rules Of Nomenclature And Systems Of Classifications Of Angiosperm Plants. A Brief Account Of Modern Trends In Taxonomy And Basics Of Ethanobotany Are Also Given. Part B Deals With The Reproduction And Development Of Angiosperm Plants. Microsporogenesis And Megasporogenesis And Fertilization Are Discussed In Different Chapters. Brief Description Of Development Of Endosperm And Embryo Formed Sixth Seventh Chapters Respectively. An Introduction To Palynology With Special Reference To A Few Families Is Also Given. Part C Deals With The Plant Water Relations, Mineral Nutrition, Plant Metabolism With Respect To Photosynthesis, Respiration And Nitrogen Metabolism Are Given. Growth And Development Of Angiosperm Plant With Reference To Growth Substances And Light Are Discussed. Fruit Ripening, Seed Dormancy And Germination Also Formed This Part. Plant Life In Relation To Environmental Stress Is Given In Last Part Of This Section.

Books and Pamphlets, Including Serials and Contributions to Periodicals New Age International

University Botany-I Is A Comprehensive Textbook For Students Of 1St Year B.Sc. Botany. The Book Is Written Strictly In Accordance With The Revised Common Core Syllabus Adopted By The Universities In Andhra Pradesh. Every Care Has Been Taken To Present The Subject In A Simple Language And In A Profusely Illustrated Manner For Better Understanding. The Book Is Divided Into Four Parts. Part I Deals With Structure, Reproduction, Life-History, Systematic Position Of The Algal Members That Are Needed To Be Studied By The Students Under Common Core Syllabus. Part Ii Deals With Structure, Reproduction, Life-History, Systematic Position Of Fungi Included In The Syllabus Bacteria, Viruses, Lichens Along With A Brief Account Of Plant Diseases And Their Control Also Have Been Discussed. Part Iii Deals With Structure, Reproduction, Life-History And Systematic Position Of The Bryophytes Included In The Syllabus. Part Iv Deals With Structure, Reproduction, Life-History, Systematic Position Of The Pteridophytes, Included In The Syllabus. Review Questions Based On University Examination Pattern Are Given At The End Of Each Chapter, For The Benefit Of The Students. With All These Features, This Book Would Serve As An Excellent Text For The

Core Course Of Botany Of Andhra Pradesh And Other Indian Universities.

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As plant physiology increased steadily in the latter half of the 19th century, problems of absorption and transport of water and of mineral nutrients and problems of the passage of metabolites from one cell to another were investigated, especially in Germany. JUSTUS VON LIEBIG, who was born in Darmstadt in 1803, founded agricultural chemistry and developed the techniques of mineral nutrition in agriculture during the 70 years of his life. The discovery of plasmolysis by NAGEL! (1851), the investigation of permeability problems of artificial membranes by TRAUBE (1867) and the classical work on osmosis by PFEFFER (1877) laid the foundations for our understanding of soluble substances and osmosis in cell growth and cell mechanisms. Since living membranes were responsible for controlling both water movement and the substances in solution, "permeability" became a major topic for investigation and speculation. The problems then discussed under that heading included passive permeation by diffusion, Donnan equilibrium adjustments, active transport processes and antagonism between ions. In that era, when organelle isolation by differential centrifugation was unknown and the electron microscope had not been invented, the number of cell membranes, their thickness and their composition, were matters for conjecture. The nature of cell surface membranes was deduced with remarkable accuracy from the reactions of cells to substances in solution. In 1895, OVERTON, in U. S. A. , published the hypothesis that membranes were probably lipid in nature because of the greater penetration by substances with higher fat solubility.

The Phytologist New Age International

Includes Part 1, Number 1 & 2: Books and Pamphlets, Including Serials and Contributions to Periodicals (January - December)

S. Chand Publishing

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

An Introduction to Botany Rastogi Publications

Gavin Hardy and Laurence Totelin have brought together their botanical and historical knowledge to produce this unique overview of ancient botany. It examines all the founding texts of botanical science, such as Theophrastus' Enquiry into Plants, Dioscorides' Materia Medica, Pliny the Elder's Natural History, Nicolaus of Damascus' On Plants, and Galen' On Simple Remedies, but also includes lesser known texts ranging from the sixth century BCE to the seventh century CE, as well as some material evidence. The authors adopt a thematic approach rather than a chronological one, considering important issues such as the definition of a plant, nomenclature, classifications, physiology,

the link between plants and their environment, and the numerous usages of plants in the ancient world. The book also takes care to place ancient botany in its historical, social and economic context. The authors have explained all technical botanical terms and ancient history notions, and as a result, this work will appeal to historians of ancient science, medicine and technology; classicists; and botanists interested in the history of their discipline.

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