
Bsc Botany Syllabus Jammu University

Publication

Plant Tissue Culture: Theory and Practice

Botany For B.Sc. Students Semester II Economic Botany and Plant Conservation: NEP 2020 For the University of Jammu

Zoology for Degree Students (For B.Sc. Hons. 3rd Semester, As per CBCS)

Paleobotany and the Evolution of Plants

Chemistry For B.Sc Students Semester II Foundation Course Chemistry - II: NEP 2020 University of Jammu

Practical Botany

History of the Catholic Church from the Renaissance to the French Revolution

Physics for B.Sc. Students: Semester II: Electrostatics and Magnetism (NEP 2020)
For the University of Jammu

Chordate Zoology

Improving Students' Web Use and Information Literacy

N.I.E. Newsletter

Environmental Science

The Jammu and Kashmir Government Gazette

TEACHING OF BIOLOGICAL SCIENCES (Intended for Teaching of Life Sciences,
Physics, Chemistry and General Science)

Physics for B.Sc. Students (Semester I) Mechanics and Kinematics: NEP 2020 for the
University of Jammu

Plant Taxonomy and Biosystematics

The Morphology of Gymnosperms

Principles of Pollination Ecology

Education in Universities in India

Digital Literacies for Learning

Zoology for B.Sc. Students Semester I: Animal Physiology and Biochemistry (NEP
2020 for University of Jammu)

Botany for B.Sc. Students Semester II: Entrepreneurship in Botany (NEP 2020
Jammu)

Collaboration in Designing a Pedagogical Approach in Information Literacy

Introduction to Plant Tissue Culture

Advanced Calculus

A Text Book Of Practical Botany - 1

Health Communication Theory

Basic Botany
Principles of Animal Physiology
Geometry & Vector Calculus
Anatomy of Seed Plants
Indian Forestry
All India Educational Directory
Aquaculture Toxicology
Introduction to Information Science
JUET-Jammu University Entrance Test (PG Programmes, PG Diploma Programmes & UG Programmes)
Biomass and Bioenergy
Buddhism in Comparative Light

*Bsc Botany Syllabus
Jammu University*

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NEAL JAKOB

Publication S. Chand Publishing
This textbook has been conceptualized
for B.Sc. Second Semester students of

Chemistry as per common minimum
syllabus prescribed for Universities in
Jammu State as per the recommended
National Education Policy (NEP) 2020.
Maintaining the traditional approach to
the subject, Theory part
comprehensively covers important topics

such as States of Matter II (Liquids), States of Matter-III (Solids), Chemical Bonding and Molecular Structure - Ionic and Covalent Bonding and Stereochemistry. All chapters have been presented systematically to help students in achieving solid conceptual understanding and learn experimental procedures. Practical Part covering Surface Tension of Liquids, Viscosity of Liquids and Functional Group Identification has been presented systematically to help students in achieving solid conceptual understanding and learn experimental procedures.

Plant Tissue Culture: Theory and Practice

Krishna Prakashan Media

A completely revised and rewritten edition of this comprehensive survey of

the botanical problems of pollination ecology approached from both a theoretical and a practical viewpoint. Examples are drawn from all geographical areas where pollination has been studied and general principles are illustrated by a number of concrete examples. Introductory chapters survey the technical problems and draw comparisons with spore dissemination in cryptogams and pollination in gymnosperms. The following chapters deal with angiosperm pollination and are divided into three parts: organs involved in pollination, flower types and pollinator activities

Botany For B.Sc. Students Semester II Economic Botany and Plant Conservation: NEP 2020 For the University of Jammu Elsevier

Botany For B.Sc. Students Semester II
Economic Botany and Plant
Conservation: NEP 2020 For the
University of JammuS. Chand Publishing
Zoology for Degree Students (For B.Sc.
Hons. 3rd Semester, As per CBCS) Facet
Publishing

This landmark textbook takes a whole subject approach to Information Science as a discipline. Introduced by leading international scholars and offering a global perspective on the discipline, this is designed to be the standard text for students worldwide. The authors' expert narrative guides you through each of the essential building blocks of information science offering a concise introduction and expertly chosen further reading and resources. Critical topics covered include: foundations: - concepts, theories

and historical perspectives - organising and retrieving information - information behaviour, domain analysis and digital literacies - technologies, digital libraries and information management - information research methods and informetrics - changing contexts: information society, publishing, e-science and digital humanities - the future of the discipline. Readership: Students of information science, information and knowledge management, librarianship, archives and records management worldwide. Students of other information-related disciplines such as museum studies, publishing, and information systems and practitioners in all of these disciplines. Paleobotany and the Evolution of Plants Science Publishers

Reproduction of the original.

**Chemistry For B.Sc Students
Semester II Foundation Course
Chemistry - II: NEP 2020 University
of Jammu** Ramesh Publishing House

This textbook has been designed to meet the needs of B.Sc. Second Semester students of Botany for the University of Jammu under the recommended National Education Policy 2020. It comprehensively covers the paper Entrepreneurship in Botany (multidisciplinary course). This book introduces the students to the practices used for growing, multiplying, value adding and maintaining economically important plant species. It aptly covers topics like food and fodder; horticulture, floriculture and MAP industry which deals with essential components of human

nutrition, fodder crops, fruits, flowers and medicinal plants. Each chapter is written keeping in view the style of new pattern of setting questions in the examination like short answer type questions and long answer questions. *Practical Botany* PHI Learning Pvt. Ltd. This textbook has been designed to meet the needs of B.Sc. Second Semester students of Botany for the University of Jammu under the recommended National Education Policy 2020. This textbook comprehensively covers the theoretical and practical aspect of the paper Economic Botany and Plant Conservation. The theory part of the text introduces the students to understand the value of plants as sources of food, fodder, spices and drugs. The book also discusses the need

to conserve the sustainable use of plants and design strategies for their effective conservation. Practical part has been presented systematically to help students achieve sound conceptual understanding and learn experimental procedures.

History of the Catholic Church from the Renaissance to the French Revolution
Pearson Higher Ed

This textbook has been designed to meet the needs of B.Sc. (Hons.) Third Semester students of Zoology as per the new UGC Model Curriculum - Choice Based Credit System (CBCS).

Comprehensively written, it explains the essential principles, processes and methodology of Chordata, Physiology and Biochemistry. This textbook is profusely illustrated with well-drawn

labelled diagrams, not only to supplement the descriptions, but also for sound understanding of the concepts.

Physics for B.Sc. Students:

Semester II: Electrostatics and Magnetism (NEP 2020) For the University of Jammu Deep and Deep Publications

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.

Chordate Zoology Wiley

Includes supplements and extraordinary
 issues.

**Improving Students' Web Use and
 Information Literacy** John Wiley &
 Sons

Assembles the most important theories
 in the field of health communication in
 one comprehensive volume, designed
 for students and practitioners alike
 Health Communication Theory is the first
 book to bring together the theoretical
 frameworks used in the study and
 practice of creating, sending, and

receiving messages relating to health
 processes and health care delivery. This
 timely volume provides easy access to
 the key theoretical foundations on which
 health communication theory and
 practice are based. Students and future
 practitioners are taught how to design
 theoretically-grounded research,
 interventions, and campaigns, while
 established scholars are presented with
 new and developing theoretical
 frameworks to apply to their work.

Divided into three parts, the volume first
 provides a summary and history of the
 field, followed by an overview of the
 essential theories and concepts of health
 communication, such as Problematic
 Integration Theory and the Cultural
 Variance Model. Part Two focuses on
 interpersonal communication and family

interaction theories, provider-patient interaction frameworks, and public relations and organizational theories. The final part of the volume centers on theories relevant to information processing and cognition, affective impact, behavior, message effects, and socio-psychology and sociology. Edited by two internationally-recognized experts with extensive editorial and scholarly experience, this first-of-its-kind volume: Provides original chapters written by a group of global scholars working in health communication theory Covers theories unique to interpersonal and organizational contexts, and to health campaigns and media issues Emphasizes the interdisciplinary and collaborative nature of health communication research Includes

overviews of basic health communication theory and application Features commentary on future directions in health communication theory Health Communication Theory is an indispensable resource for advanced undergraduate and graduate students studying health communication, and for both new and established scholars looking to familiarize themselves with the area of study or seeking a new theoretical frameworks for their research and practice.

N.I.E. Newsletter S. Chand Publishing Aquaculture Toxicology is an essential resource of practical information that covers mechanisms of toxicity and their responses to toxic agents, including aspects of uptake, metabolism and excretion of toxicants in fish,

crustaceans and mollusks. This is a reliable, up-to-date, “all inclusive reference guide that provides an understanding of toxicology information for the aquaculture industry. Written by respected international experts recognized in specific areas of toxicology, this book covers toxins at the environmental, cellular and molecular levels. It identifies areas where more research is needed to generate more knowledge to support a sustainable aquaculture industry, including pharmaceutical pollutants and microplastics. Presents clinical information for the three major aquatic food animals (fish, crustaceans and mollusks) Discusses commonly used chemicals in aquaculture and their effects on aquatic animals and the

environment Provides the latest advancements in the field of toxicity to facilitate fisheries and aquaculture research

Botany For B.Sc. Students Semester II
Economic Botany and Plant
Conservation: NEP 2020 For the
University of Jammu

This 1993 textbook describes and explains the origin and evolution of plants as revealed by the fossil record.

Environmental Science Springer
Nature

Offers advice, strategies, and tips to help school library personnel evaluate, use, teach, and develop Internet resources more effectively.

*The Jammu and Kashmir Government
Gazette* Scientific Publishers

1. Introduction to Laboratory 2.

Experiments in Plant Physiology 3.
Biochemistry 4. Biotechnology 5. Ecology
6. Plant Utilization 7. Project Reports
Appendix.

*TEACHING OF BIOLOGICAL SCIENCES
(Intended for Teaching of Life Sciences,
Physics, Chemistry and General Science)*

Cambridge University Press

Principles of Animal Physiology, Second Edition continues to set a new standard for animal physiology textbooks with its focus on animal diversity, its modern approach and clear foundation in molecular and cell biology, its concrete examples throughout, and its fully integrated coverage of the endocrine system. Carefully designed, full-color artwork guides students through complex systems and processes while in-text pedagogical tools help them learn

and remember the material. The book includes the most up-to-date research on animal genetics and genomics, methods and models, and offers a diverse range of vertebrate and invertebrate examples, with a student-friendly writing style that is consistently clear and engaging. Christopher Moyes and Patricia Schulte present animal physiology in a current, balanced, and accessible way that emphasizes the integration of physiological systems, an overarching evolutionary theme, and thorough coverage of the cellular and molecular basis of animal physiology. Principles of Animal Physiology comes with a comprehensive supplements package for students and instructors that includes a new Media Manager CD-ROM, a new Print and Computerized Test

Bank, and a powerful Companion Website. The InterActive Physiology® 10-System Suite CD-ROM and PhysioEx® V7.0 laboratory simulations can be packaged with the text at a discounted price.

Physics for B.Sc. Students (Semester I)
Mechanics and Kinematics: NEP 2020 for the University of Jammu Rastogi Publications

Since the publication of the first edition in 1983, several new and exciting developments have taken place in the field of plant tissue culture, which forms a major component of what is now called plant biotechnology. The revised edition presents updated information on theoretical, practical and applied aspects of plant tissue culture. Each chapter has been thoroughly revised and, as before,

is written in lucid language, includes relevant media protocols, and is profusely illustrated with self-explanatory diagrams and original photographs. This book includes three new chapters: "Variant selection", "Genetic Engineering" and "Production of Industrial Compounds" and contains a complete bibliography and a glossary of terms commonly used in tissue culture literature. This updated version proves to be an excellent text for

undergraduate, postgraduate students and teachers in various fields of plant sciences and a useful reference book for those interested in the application of any aspect of this aseptic technology.
Plant Taxonomy and Biosystematics S. Chand Publishing
Biomass obtained from agricultural

residues or forest can be used to produce different materials and bioenergy required in a modern society. As compared to other resources available, biomass is one of the most common and widespread resources in the world. Thus, biomass has the potential to provide a renewable energy source, both locally and across large areas of the world. It is estimated that the total investment in the biomass sector between 2008 and 2021 will reach the large sum of \$104 billion. Presently bioenergy is the most important renewable energy option and will remain so the near and medium-term future. Previously several countries try to explore the utilization of biomass in bioenergy and composite sector. Biomass has the potential to become the

world's largest and most sustainable energy source and will be very much in demand. Bioenergy is based on resources that can be utilized on a sustainable basis all around the world and can thus serve as an effective option for the provision of energy services. In addition, the benefits accrued go beyond energy provision, creating unique opportunities for regional development. The present book will provide an up-to-date account of non-wood, forest residues, agricultural biomass (natural fibers), and energy crops together with processing, properties and its applications to ensure biomass utilization and reuse. All aspects of biomass and bioenergy and their properties and applications will be critically re-examined. The book consists

of three sections, presenting Non wood and forest products from forestry, arboriculture activities or from wood processing, agricultural biomass (natural fibers) from agricultural harvesting or processing and finally energy crops: high yield crops and grasses grown especially for energy production.

The Morphology of Gymnosperms S. Chand Publishing

This textbook has been designed to meet the needs of B.Sc. First Semester students of Zoology for the University of Jammu under the recommended National Education Policy 2020. This textbook gives a thorough overview of Animal Physiology and Biochemistry, it aptly covers important topics such as metabolism of carbohydrates, lipids, protein & nucleotides, mechanism of

respiration and pulmonary ventilation. Practical part has been presented systematically to help students achieve sound conceptual understanding and learn experimental procedures.

Principles of Pollination Ecology Outlook Verlag

This book has been conceptualized as per the recommended National Education Policy (NEP) 2020 and as per syllabus prescribed by University of Jammu for B. Sc. Students of Physics for the Second Semester. The textbook begins with coverage on Scalar and Vector Fields, Gauss's Divergence Theorem and Stokes Theorem. Starting from the Concept of Electric Field, Relation between Electric Intensity and Electric Potential, Electric Flux, Faraday and Lenz's Law, Electric Dipole and

Gauss's Law of Electrostatics are discussed in detail. Electric and Magnetic Fields in Matter, Polarization Vector,

Magnetostatics and Time Varying Electromagnetic Fields are incorporated in detail with suitable examples.

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