

Nirav Prakashan B Ed Books

An authorised reissue of the long out of print classic textbook, Advanced Calculus by the late Dr Lynn Loomis and Dr Shlomo Sternberg both of Harvard University has been a revered but hard to find textbook for the advanced calculus course for decades. This book is based on an honors course in advanced calculus that the authors gave in the 1960's. The foundational material, presented in the unstarred sections of Chapters 1 through 11, was normally covered, but different applications of this basic material were stressed from year to year, and the book therefore contains more material than was covered in any one year. It can accordingly be used (with omissions) as a text for a year's course in advanced calculus, or as a text for a three-semester introduction to analysis. The prerequisites are a good grounding in the calculus of one variable from a mathematically rigorous point of view, together with some acquaintance with linear algebra. The reader should be familiar with limit and continuity type arguments and have a certain amount of mathematical sophistication. As possible introductory texts, we mention Differential and Integral Calculus by R Courant, Calculus by T Apostol, Calculus by M Spivak, and Pure Mathematics by G Hardy. The reader should also have some experience with partial derivatives. In overall plan the book divides roughly into a first half which develops the calculus (principally the differential calculus) in the setting of normed vector spaces, and a second half which deals with the calculus of differentiable manifolds.

Thanks to remarkable advances in modern health care attributable to science, engineering, and medicine, it is now possible to cure or manage illnesses that were long deemed untreatable. At the same time, however, the United States is facing the vexing challenge of a seemingly uncontrolled rise in the cost of health care. Total medical expenditures are rapidly approaching 20 percent of the gross domestic product and are crowding out other priorities of national importance. The use of increasingly expensive prescription drugs is a significant part of this problem, making the cost of biopharmaceuticals a serious national concern with broad political implications. Especially with the highly visible and very large price increases for prescription drugs that have occurred in recent years, finding a way to make prescription medicines and health care at large more affordable for everyone has become a socioeconomic imperative. Affordability is a complex function of factors, including not just the prices of the drugs themselves, but also the details of an individual's insurance coverage and the number of medical conditions that an individual or family confronts. Therefore, any solution to the affordability issue will require considering all of these factors together. The current high and increasing costs of prescription drugs coupled with the broader trends in overall health care costs is unsustainable to society as a whole. Making Medicines Affordable examines patient access to affordable and effective therapies, with emphasis on drug pricing, inflation in the cost of drugs, and insurance design. This report explores structural and policy factors influencing drug pricing, drug access programs, the emerging role of comparative effectiveness assessments in payment policies, changing finances of medical practice with regard to drug costs and reimbursement, and measures to prevent drug shortages and foster continued innovation in drug development. It makes recommendations for policy actions that could address drug price trends,

improve patient access to affordable and effective treatments, and encourage innovations that address significant needs in health care.

The field of process control has evolved gradually over the years, with emphasis on key aspects including designing and tuning of controllers. This textbook covers fundamental concepts of basic and multivariable process control, and important monitoring and diagnosis techniques. It discusses topics including state-space models, Laplace transform to convert state-space models to transfer function models, linearity and linearization, inversion formulae, conversion of output to time domain, stability analysis through partial fraction expansion, and stability analysis using Routh table and Nyquits plots. The text also covers basics of relative gain array, multivariable controller design and model predictive control. The text comprehensively covers minimum variable controller (MVC) and minimum variance benchmark with the help of solved examples for better understanding. Fundamentals of diagnosis of control loop problems are also explained and explanations are bolstered through solved examples. Pedagogical features including solved problems and unsolved exercises are interspersed throughout the text for better understanding. The textbook is primarily written for senior undergraduate and graduate students in the field of chemical engineering and biochemical engineering for a course on process control. The textbook will be accompanied by teaching resource such a collection of slides for the course material and a inclsolution manual for the instructors.

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.

Bmh 201(A&B) Advanced Calculus Bmh 202 (A&B) Differential Equations Bmh 203 (A&B) Mechanics

For B.Sc I yr students as per the new syllabus of UGC curriculum for all Indian Universities. The present book has two sections. Section I covers 1 which includes chapters on Mechanics, oscillations and Properties of Matter. Section II covers course 2 which includes chapters on Electricity, Magnetism and Electromagnetic theory.

The book meets the requirements of BEd students of various Indian universities and hence is useful for all those undergoing teacher training. The book will acquaint these students with mathematics as a school subject and provide them with a solid foundation to build their expertise in the teaching of the subject. For in-service teachers it serves to refresh the methodological knowledge and skills of imparting information.

"Microbiology covers the scope and sequence requirements for a single-semester microbiology course for non-majors. The book presents the core concepts of microbiology with a focus on applications for careers in allied health. The pedagogical features of the text make the material interesting and accessible while maintaining the career-application focus and scientific rigor inherent in the subject matter. Microbiology's art program enhances students' understanding of concepts through clear and effective illustrations, diagrams, and photographs. Microbiology is produced through a collaborative publishing agreement between OpenStax and the American Society for Microbiology Press. The book aligns with the curriculum guidelines of the American Society for Microbiology."--BC Campus website.

This book provides a complete abstract algebra course, enabling instructors to select the topics for use in individual classes.

Designed as per the latest NCERT syllabus and syllabi of several universities offering teacher education courses, the book incorporating 16

chapters is an up-to-date and comprehensive treatise, which deals with the basic as well as advanced topics of the field of knowledge and the field of contextualisation of knowledge (curriculum). In the opening chapters, knowledge is conceived and described in a broad perspective. This is followed by an extensive discussion on curriculum, including the various issues and concerns, different approaches, curriculum design, development and evaluation. A peep into the modern classrooms, shift in pedagogy and skill-based curriculum makes the book a complete organic entity for comprehensive understanding of the continuum of knowledge and curriculum. It is primarily intended for the undergraduate students of education and elementary education as well as for the postgraduate students of education. Moreover, teacher educators and researchers will also find the book useful. HIGHLIGHTS OF THE BOOK • Presents intensive analysis of the concepts in a logical sequence • Includes practical illustrations along with clear, concise and lucid language • Follows professional and analytical approach • Incorporates flowcharts, diagrams and chapter-end exercises • Comprises a bibliography at the end of the book TARGET AUDIENCE • B.Ed./M.Ed. • B.Sc.-B.Ed./B.A.-B.Ed. • B.El.Ed. • M.A. (Education)

The syllabi for F.Y.B.Sc. Microbiology have been revised and modified so as to widen the scope of the subject to be compatible to present developments and needs of the subject. Our effort is to provide the students with the best guidelines in order to help them to achieve the expected outcomes in these changed circumstances. This book covers the entire new and revised syllabus for the first semester of F.Y.B.Sc. (Microbiology) as prescribed by SPPU.

Accessible but rigorous, this outstanding text encompasses all of the topics covered by a typical course in elementary abstract algebra. Its easy-to-read treatment offers an intuitive approach, featuring informal discussions followed by thematically arranged exercises. This second edition features additional exercises to improve student familiarity with applications. 1990 edition.

1 Carbanions and their reactions 2 Retrosynthetic Analysis and applications 3 Rearrangement Reactions 4 Spectroscopic Methods in structure determination of organic compounds 5 Natural products

The Fourth edition of this well-received text continues to provide coherent and comprehensive coverage of digital circuits. It is designed for the undergraduate students pursuing courses in areas of engineering disciplines such as Electrical and Electronics, Electronics and Communication, Electronics and Instrumentation, Telecommunications, Medical Electronics, Computer Science and Engineering, Electronics, and Computers and Information Technology. It is also useful as a text for MCA, M.Sc. (Electronics) and M.Sc. (Computer Science) students. Appropriate for self study, the book is useful even for AMIE and grad IETE students. Written in a student-friendly style, the book provides an excellent introduction to digital concepts and basic design techniques of digital circuits. It discusses Boolean algebra concepts and their application to digital circuitry, and elaborates on both combinational and sequential circuits. It provides numerous fully worked-out, laboratory tested examples to give students a solid grounding in the related design concepts. It includes a number of short questions with answers, review questions, fill in the blanks with answers, multiple choice questions with answers and exercise problems at the end of each chapter. Educational Administration and Management is a comprehensive textbook for students pursuing B.Ed. and B.El.Ed courses, Educational Administration and Management aims at helping students understand the theories and processes of this subject, and thereby become effective leaders and managers of the educational system tomorrow. This book provides the historical perspective of educational Administration and explains the concept of Educational management in detail which will help the student to understand various educational aspects. It also describes the basic characteristics of educational planning and implementation. The host of student-friendly features such as exercises and questions will help students in their study and exam preparations.

New drugs are frequently entering into the market along with the existing drugs. The antibacterial agents can be discussed in five major classes, i.e. classification based on the type of action, source, spectrum of activity, chemical structure and function. Resistance of bacteria to antibiotics is an urgent problem of the humanity, which leads us to the lack of therapy for serious bacterial infections. Development of new antibiotics has almost ceased in the last decades - even when a new antibiotic is launched, very soon the resistance of bacteria appears. Industrial textiles exposed as awnings, screens, tents; upholstery used in large public areas such as hospitals, hotels and stations; fabrics for transports; protective clothing and personal protective equipment; bed sheets and blankets; textiles left wet between processing steps; intimate apparel, underwear, socks and sportswear, disinfection of air and water for white rooms, hospitals and operating theatres, food and pharma industries, water depuration, drinkable water supplying and air conditioning systems. Many clinicians recommend alternative approaches to using antimicrobial substances. Moreover, the majority of bioagents demonstrate on antibiotics for treatment of a wide range of diseases in human sectors. However, the misuse and mishandling of drugs lead to microbial, particularly bacterial, resistance as well as result in the difficulty of treating microbial diseases. Hence, the proposed book will give more precise information on novel antibacterial compound(s).

We all have an IQ but rarely do we use it to its full potential. These set of IQ books - IQ CHALLENGE and IMPROVE YOUR IQ by Popular Prakashan are mind stretching and entertaining puzzle books which will test your mental abilities to limit. You will find that logic, concentration and lateral thinking must all be called upon to solve each puzzle. In all the sets the puzzles are arranged in levels of ascending difficulty. One can access his progress in art of problem solving sharpening your wits at every stage. Hours of challenging fun lie ahead with this book&.. So best of luck!!

This book introduces readers to the tools needed to protect IT resources and communicate with security specialists when there is a security problem. The book covers a wide range of security topics including Cryptographic Technologies, Network Security, Security Management, Information Assurance, Security Applications, Computer Security, Hardware Security, and Biometrics and Forensics. It introduces the concepts, techniques, methods, approaches, and trends needed by security specialists to improve their security skills and capabilities. Further, it provides a glimpse into future directions where security techniques, policies, applications, and theories are headed. The book represents a collection of carefully selected and reviewed chapters written by diverse security experts in the listed fields and edited by prominent security researchers. Complementary slides are available for download on the book's website at Springer.com.

About the book: What happens when we print excess money? How does inflation depress our savings in the banks? How do commercial banks advance out loans to households and corporates? Will the rise of AI, ML, and Robotics make humans obsolete? What about china's supremacy in trade? How do governments and central banks regulate the economy in unprecedented times? And what about immigration? Few of the many questions that are often raised in economics have been answered in this short book. The book comes with few jargons that have been explained and demystifies the concepts that always keep bugging our minds. The book instigates many innovative examples to try and relate to the present environment to make the book much more engaging. About the author: Nirav Shedge is an economics student with research interests in macroeconomic policies and international trade. Over the course of two years, he has written several articles on economic issues and frequently publishes research papers in journals. He likes thinking about economic policies and wishes to research more in this area. Nirav is also a

sports enthusiast and has represented Maharashtra state for the Netball championship.

The book, with comprehensive and practicable coverage, acquaints its readers with thorough knowledge and skills to help the growing children in their proper growth and development enabling them to reach the limit of their excellence on one hand, and instilling in them the sense of responsibility towards their society and nation on the other hand. It dwells on the essential topics such as nature of the process of growth and development going on at the various ages and developmental stages of children, their developmental needs and characteristics, individual differences and diversities existing among them, development of various abilities and capacities like intelligence, creativity, and overall personality characteristics, nature of the age-linked behavioural problems, adjustment and mental health, parenting styles, and methods of dealing with the behavioural problems, adjustment, and stressful conditions of the developing children. The text equips the readers with all what is in demand for helping the developing children at this juncture of rapid industrialisation, globalisation, urbanisation, modernisation and economic change. It is primarily designed for the undergraduate students of education and elementary education. KEY FEATURES • Incorporates quite advanced topics such as emotional intelligence, use of reflective journals, anecdotal records and narratives as method of understanding child's behaviour, and so on • Includes detailed discussion of theories of child development, theories of learning, theories of intelligence, theories of achievement motivation, theories of creativity, and theories of personality • Offers engaging language and user-friendly mode of discussion • Adequately illustrated with examples, figures and tables • Comprises chapter-end summary for quick glance of the concepts.

Geology is an inter-disciplinary science and the advance made in its understanding is based on valuable research contributed from the other sciences. This has given rise to a host of specialised fields such as environmental geology, marine geology, photogeology and mining geology, to name a few. This book has been written for the first year students of Geology and also for those who have opted for Geology as one of their subjects for competitive examinations such as UPSC, MPSC and others.

Pharmaceutics-II Pragati Books Pvt. Ltd.

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.

This revised and updated Fourth Edition of the text builds on the strength of previous edition and gives a systematic and clear exposition of the fundamental principles of solid state physics. The text covers the topics, such as crystal structures and chemical bonds, semiconductors, dielectrics, magnetic materials, superconductors, and nanomaterials. What distinguishes this text is the clarity and precision with which the author discusses the principles of physics, their relations as well as their applications. With the introduction of new sections and additional information, the fourth edition should prove highly useful for the students. This book is designed for the courses in solid state physics for B.Sc. (Hons.) and M.Sc. students of physics. Besides, the book would also be

useful to the students of chemistry, material science, electrical/electronic and allied engineering disciplines. New to the Fourth Edition • Solved examples have been introduced to explain the fundamental principles of physics. • Matrix representation for symmetry operations has been introduced in Chapter 1 to enable the use of Group Theory for treating crystallography. • A section entitled 'Other Contributions to Heat Capacity', has been introduced in Chapter 5. • A statement on 'Kondo effect (minimum)' has been added in Chapter 14. • A section on 'Graphenes' has been introduced in Chapter 16. • The section on 'Carbon Nanotubes', in Chapter 16 has been revised. • A "Lesson on Group Theory", has been added as Appendix.

With the proclamation of human rights and impact of the philosophy of humanism, there has been a worldwide call for providing humane treatment to the disabled and putting an end to their isolation. Written in the same context, the book developed as per the issued directives of NCTE equips its readers with the knowledge, understanding, skills, interests and attitude needed for working in the inclusive schools. It acquaints them with all the essentials related to the nature of the different types of disabilities or impairments, diversities and exceptionalities of the children belonging to an inclusive school, the need and means of introducing the required adaptations in the environmental conditions, curriculum, teaching-learning strategies, teaching-learning aids and equipment, methods of assessing the progress of the diverse children, and likewise so many other things and requirements for fulfilling their responsibilities towards the diverse children in the inclusive set-up of the school. It is primarily designed for the students of secondary and elementary teacher education (B.Ed., B.El. Ed., D.Ed.) of the teacher training institutes. KEY FEATURES • Full coverage of the current syllabi prescribed for B. Ed., B. El. Ed. and D. Ed. in a user-friendly language • Comprehensive description of the various aspects of inclusive education and children with special needs (CWSN) such as historical perspectives to disability and inclusive education, needed pedagogical and assessment approaches for CWSN, educational provisions for the disabled at national and international levels, and so forth • Inclusion of recent topics such as learning styles in the context of different types of disabilities and CWSN, forms of exclusions on various grounds including disabilities in Indian education, approaches and models of inclusion, individual education programme, assistive and adaptive technologies, and so on • Comprises chapter-end summary for quick glance of the concepts TARGET AUDIENCE • B.Ed. • B. El. Ed. • D.Ed.

1 Scope of mathematics 2 Content analysis of mathematics 3 Syllabus of mathematics and mathematics textbook teaching methods and techniques 4 Generalisation and contention of mathematics 5 Evaluation References

This textbook is designed in accordance with the new syllabus and more emphasis is placed in using simple language. The goal of writing this textbook is to focus on students and motivate them to learn and understand the basics and further build upon the introduction to social psychology. The real-life examples given in the book will make the various concepts easy to relate and understand.

A Clear And Reliable Guide To Students Of Practical Organic Chemistry At The Undergraduate And Postgraduate Levels. This Edition S Special Emphasis Is On Semi Micro Methods And Modern Techniques And Reactions.

I-Dispensing Pharmacy - II-Dispensed Medications - a-Monophasic Liquid Dosage Forms - b-Biphasic Liquid Dosage Forms - c- Semi-solid Dosage Forms - III - Sterile Dosage Forms

This textbook has been designed to meet the needs of B.Sc. First Semester students of Chemistry as per the new UGC Model Curriculum - Choice Based Credit System (CBCS). With its traditional approach to the subject, this textbook lucidly explains principles of chemistry. Important topics such as atomic structure, chemical bonding, molecular structure, fundamentals of organic chemistry, stereochemistry and aliphatic hydrocarbons are aptly discussed to give an overview of inorganic and organic chemistry. Laboratory work has also been included to help students achieve solid conceptual understanding and learn experimental procedures.

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