

Narendra Awasthi Physical Chemistry

Experimental Physical Chemistry
Modern Approach To
Chemical Calculations
An Introduction To The Mole
Concept
Problems in Inorganic Chemistry for
NEET/AIIMS/NTA NEET 101 Speed Tests (96 Chapter-
wise + 3 Subject-wise + 2 Full)
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Organic Chemistry, 9e
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Experimental Physical Chemistry

Modern Approach To Chemical Calculations An Introduction To The Mole Concept

The thoroughly Revised & Updated 2nd Edition of the book "The General Science Compendium" has been prepared with enormous efforts for all IAS aspirants, State PCS and other competitive exams. The book is prepared on the concept "Latest Information - Authentic Data". The book has been divided into 4 parts - Physics (6 Chapters), Chemistry (7 Chapters), Biology (7 Chapters) & Science and Technology (6 Chapters). followed by an exercise with 1300+ Simple MCQs & statement based MCQs. The book captures most of the important questions with explanations of the past years of the IAS Prelim exam, State PSC, NDA and other competitive exams distributed in the various chapters. The book not only covers 100% syllabus but is also covered with Mind Maps, Infographics, Charts, Tables and latest exam pattern MCQs. The emphasis of the book has been on conceptual understanding and better retention which are important from the point of view of the exam.

Problems in Inorganic Chemistry for NEET/AIIMS

This unique book is the only one to discuss various new techniques developed to enhance the application of nanoparticulate drug delivery systems using surface modification of nanoparticles. The understanding of the surface characteristics nanoparticles is growing significantly with the advent of new analytical techniques. Polymer chemistry is contributing to the development of many new versatile polymers which have abilities to accommodate many different, very reactive chemical groups, and can be used as a diagnostic tool, for better targeting, for more effective therapeutic results as well as for reducing the toxic and side effects of the drugs. Surface modification of such polymeric nanoparticles has been found by many scientists to enhance the application of nanoparticles and also allows the nano particles to carry specific drug molecule and disease /tumor specific antibodies which refine and improve drug delivery. Surface Modification of Nanoparticles for Targeted Drug Delivery is a collection essential information with various applications of surface modification of nanoparticles and their disease specific applications for therapeutic purposes.

NTA NEET 101 Speed Tests (96 Chapter-wise + 3 Subject-wise + 2 Full)

The increasing human population and the associated activities have negatively influenced the ecosystems

and life on earth. The continuous addition of agrochemicals, heavy metals and industrial wastes/effluents in the ecosystems have caused great harm, including loss of productivity, biodiversity, climate change and diseases in plants, animals and humans, resulting in increased marginal lands and endangered sustainability of life on earth. Hence, there is an urgent need to reverse the impact of dangerous pollutants through a holistic, sustainable and biotic approach. Bioremediation involves the utilization of biological systems, mainly plants (phytoremediation) or microorganisms or both in combination (rhizoremediation) for the removal or degradation of pollutants and revive the habitats in an eco-friendly manner. Recently, there have been many success stories related to bioremediation involving plants or plant-microbe interactions. These success stories are related to the removal of heavy metals, pesticides, polyaromatic hydrocarbons, explosives, radionuclides or reduction of biological oxygen demand, total dissolved solids, total suspended solids, oil spills in water bodies. Rhizoremediation has also been successfully used for reclamation of saline or marginal soils. With the range of pollutants and the total area (on earth) covered by these toxic chemicals, it is important that these eco-friendly technologies be utilized in a better way. The book throws light on the recent happenings, research and success stories related to bioremediation of polluted habitats through phytoremediation or rhizoremediation. The book also highlights some of the significantly important plant and microbial species involved in remediation, the physiology, biochemistry and the mechanisms of remediation by various plants and microbes, and

suggestions for future improvement of bioremediation technology.

Problem Book In Physics

Organic Chemistry, 9e

Recent Advances in the Diagnosis and Management of Plant Diseases

Masters Theses in the Pure and Applied Sciences

Are ghosts real? Are there truly haunted places, only haunted people, or both? And how can we know? Taking neither a credulous nor a dismissive approach, this first-of-its-kind book solves those perplexing mysteries and more--even answering the question of why we care so very much. Putting aside purely romantic tales, this book examines the actual evidence for ghosts--from eyewitness accounts to mediumistic productions (such as diaphanous forms materializing in dim light), spirit photographs, ghost-detection phenomena, and even CSI-type trace evidence. Offering numerous exciting case studies, this book engages in serious investigation rather than breathless mystifying. Pseudoscience, folk legends, and outright hoaxes are challenged and exposed, while the historical, cultural, and scientific aspects of ghost experiences and haunting reports are carefully

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explored. The author--the world's only professional paranormal investigator--brings his skills as a stage magician, private detective, folklorist, and forensic science writer to bear on a topic that demands serious study.

University Chemistry

This book provides an introduction of how radiation is processed in polymeric materials, how materials properties are affected and how the resulting materials are analyzed. It covers synthesis, characterization, or modification of important materials, e.g. polycarbonates, polyamides and polysaccharides, using radiation. For example, a complete chapter is dedicated to the characterization of biodegradable polymers irradiated with low and heavy ions. This book will be beneficial to all polymer scientists in the development of new macromolecules and to all engineers using these materials in applications. It summarizes the fundamental knowledge and latest innovations in research fields from medicine to space.

Radiation Effects in Polymeric Materials

The book presents geomorphological studies of the major river basins – the Indus, Ganga and Brahmaputra and their tributaries. Besides major basins, the book explores peninsular rivers and other rivers state-by-state. All types of rivers, i.e. snow-fed, rain-fed and groundwater-fed rivers are explained together in geological framework. Rivers are lifeline

and understanding of the rivers, their dynamics, science and socio-economic aspect is very important. However, different sources provide different data base for rivers. But a book which explains all major rivers of a country at a single place was not yet available. This book is the first book of its kind in the world which provides expert opinion on all major rivers of a country like India. This book complements works in these areas for the last two to three decades on major rivers of India by eminent professors and scientists from different universities, IITs and Indian research institutions. The information presented in the book would appeal to a wider readership from students, teachers to researchers and planners engaged in developmental work and also to common people of the society concerned with awareness about rivers.

Reactions Rearrangements And Reagents

CC CHATTERJEE'S HUMAN PHYSIOLOGY, VOLUME 1

Solomons' Organic Chemistry has a strong legacy (over 50 years) of tried and true content. The authors are known for striking a balance between the theory and practice of organic chemistry. In this new edition special attention is paid towards helping students learn how to put the various pieces of organic chemistry together in order to solve problems. The notion of a "puzzle", or understanding how different molecules react together to create products, is a

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focus of the authors' pedagogy. A central theme of the authors' approach to organic chemistry is to emphasize the relationship between structure and reactivity. To accomplish this, the content is organized in a way that combines the most useful features of a functional group approach with one largely based on reaction mechanisms. The authors' philosophy is to emphasize mechanisms and their common aspects as often as possible, and at the same time, use the unifying features of functional groups as the basis for most chapters. The structural aspects of the authors' approach show students what organic chemistry is. Mechanistic aspects of their approach show students how it works.

Praying to Get Results

This two-volume set (CCIS 1075 and CCIS 1076) constitutes the refereed proceedings of the Third International Conference on Advanced Informatics for Computing Research, ICAICR 2019, held in Shimla, India, in June 2019. The 78 revised full papers presented were carefully reviewed and selected from 382 submissions. The papers are organized in topical sections on computing methodologies; hardware; information systems; networks; software and its engineering.

Advanced Informatics for Computing Research

The Smart & Innovative Book from Disha 'NTA NEET 101 Speed Tests' contains: 1. 96 Chapter-wise + 3

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Subject-wise + 2 Full Syllabus Tests based on the NCERT & NEET Syllabus. 2. Carefully selected Questions (45 per Chapter /Subject & 180 per Full Test) that helps you assess & master the complete syllabus for NEET. 2. The book is divided into 3 parts: (a) 96 Chapter-wise Tests (28 in Physics, 30 in Chemistry & 38 in Biology); (b) 3 Subject-wise (1 each in Physics, Chemistry & Biology); (c) 2 Full Test of PCB. 3. Time Limit, Maximum Marks, Cutoff, Qualifying Score for each Test is provided. 4. These Tests will act as an Ultimate tool for Concept Checking & Speed Building. 5. Collection of 4815 MCQ's of all variety as per latest pattern & syllabus of NEET exam. This book, if completed with FULL HONESTY, will help you improve your score by 15-20%. A Must Have Book in the last 3-4 months of the exam and can be completed in 105 Hrs.

Plane Trigonometry

Physical Chemistry

The book is a collection of high quality peer reviewed research papers presented in Seventh International Conference on Bio-Inspired Computing (BIC-TA 2012) held at ABV-IIITM Gwalior, India. These research papers provide the latest developments in the broad area of "Computational Intelligence". The book discusses wide variety of industrial, engineering and scientific applications of nature/bio-inspired computing and presents invited papers from the inventors/originators of novel computational

techniques.

A Half-baked Love Story

Proceedings of Seventh International Conference on Bio-Inspired Computing: Theories and Applications (BIC-TA 2012)

Essential Physical Chemistry

The Indian Rivers

The Science of Ghosts

Understanding abiotic stress responses in plants is critical for the development of new varieties of crops, which are better adapted to harsh climate conditions. The new book by the well-known editor team Narendra Tuteja and Sarvajeet Gill provides a comprehensive overview on the molecular basis of plant responses to external stress like drought or heavy metals, to aid in the engineering of stress resistant crops. After a general introduction into the topic, the following sections deal with specific signaling pathways mediating plant stress response. The last part covers translational plant physiology, describing several examples of the development of more stress-resistant crop varieties.

Solomons' Organic Chemistry

With its easy-to-read approach and focus on core topics, PHYSICAL CHEMISTRY, 2e provides a concise, yet thorough examination of calculus-based physical chemistry. The Second Edition, designed as a learning tool for students who want to learn physical chemistry in a functional and relevant way, follows a traditional organization and now features an increased focus on thermochemistry, as well as new problems, new two-column examples, and a dynamic new four-color design. Written by a dedicated chemical educator and researcher, the text also includes a review of calculus applications as applied to physical chemistry. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

42 Years (1978-2019) JEE Advanced (IIT-JEE) + 18 yrs JEE Main (2002-2019) Topic-wise Solved Paper Chemistry 15th Edition

Physical Chemistry

Advanced Physical Chemistry

Understanding Physics Mechanicsi

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Advanced Problems in Physical Chemistry has been conceived to meet the specific requirements of the students preparing for IIT-JEE, Olympiad and other competitive examinations. This book provides a comprehensive and systematic coverage of problems in physical chemistry and enables quick applications of concepts through numerous problems provided in each chapter. The problems are graded as per JEE Main and Advanced respectively. The best way to ensure that students understand the concepts of physical chemistry is to solve as many problems on each topic. This book is a must-have resource for candidates preparing for JEE Main and Advanced exams.

Surface Modification of Nanoparticles for Targeted Drug Delivery

- The book “42 Years IIT-JEE Advanced + 18 yrs JEE Main Topic-wise Solved Paper CHEMISTRY” is the first integrated book, which contains topic-wise collection of past JEE Advanced (including 1978-2012 IIT-JEE & 2013-19 JEE Advanced) questions from 1978 to 2019 and past JEE Main (including 2002-2012 AIEEE & 2013-19 JEE Main) questions from 2002 to 2019. • The book provides 2 Sets of JEE Main 2019 (1 of each of the 2 Phases) & Paper 1 & 2 of JEE ADvanced 2019.
- The book is divided into 23 chapters. The flow of chapters has been aligned as per the NCERT books. • Each chapter divides the questions into 9 categories (as per the NEW IIT pattern) - Fill in the Blanks, True/False, MCQ 1 correct, MCQ more than 1 correct, Passage Based, Assertion-Reason, Multiple Matching,

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Integer Answer and Subjective Questions. • All the Screening and Mains papers of IIT-JEE have been incorporated in the book. • Detailed solution of each and every question has been provided for 100% conceptual clarity of the student. Well elaborated detailed solutions with user friendly language provided at the end of each chapter. • Solutions have been given with enough diagrams, proper reasoning to bring conceptual clarity. • The students are advised to attempt questions of a topic immediately after they complete a topic in their class/school/home. The book contains around 3380+ MILESTONE PROBLEMS IN Mathematics.

Numerical Chemistry

This book is a compilation of the most challenging and significant chapters on the diagnosis and management of important bacterial, fungal, viral, viroid, phytoplasma, non parasitic diseases and various physiological disorders, in various crops. The chapters have been contributed by eminent plant pathologists, having wide experience of teaching and research on various crops with different types of diseases, which cause great economic losses. The book would be very useful for students, teachers and researchers of plant pathology. This book highlights recent advances made in the development of new types of resistance in host plants and alternative strategies for managing plant diseases to improve food quality and reduce the negative public health impact associated with plant diseases. Having entered into 21st century advancements in the

Diagnosis of Plant Pathogens and Plant Disease Management need to be closely examined and adequately applied, so that newer challenges facing plant pathology could be adequately addressed in attaining food security for the growing population. Substantial advancements have been made in terms of expanding knowledge base of the biology of plant-microbial interactions, disease management strategies and application and practice of Plant Pathology. Application of molecular biology in Plant Pathology has greatly improved our ability to detect plant pathogens and in increasing our understanding, their ecology and epidemiology. Similarly, new technologies and resources have been evolved for the development of sustainable crop protection systems by different control strategies against various pests and pathogens that are important components of the integrated pest management programme. Natural products and chemical compounds discovered as a result of basic research and molecular mechanisms of pathogenesis have led to the development of “biorational” pesticides. Biological control has been found to be the most significant approach to plant health management during the twentieth century and promises using modern biotechnology, to be even more significant in the twenty-first century.

Differential Calculus

Organic Chemistry, Ninth Edition gives students a contemporary overview of organic principles and the tools for organizing and understanding reaction mechanisms and synthetic organic chemistry with

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unparalleled and highly refined pedagogy. This text presents key principles of organic chemistry in the context of fundamental reasoning and problem solving. Authored to complement how students use a textbook today, new Problem-Solving Strategies, Partially Solved Problems, Visual Reaction Guides and Reaction Starbursts encourage students to use the text before class as a primary introduction to organic chemistry as well as a comprehensive study tool for working problems and/or preparing for exams.

Organic Chemistry

The Book Thoroughly The Following: Physical Chemistry With Detailed Concepts And Numerical Problems. Organic Chemistry With More Chemical Equations. Inorganic Chemistry With Theory And Examples. In Addition To A Well Explained Theory The Book Includes Well Categorized Classified And Sub-Classified Questions On The Basis Of Latest Trends Of Examination Papers. Salient Features As Per The Syllabus Of Engineering And Medical Entrance Examinations Previous Years Solved Papers Every Unit Contains (I) Main Highlights; (Ii) Multiple Choice Questions; (Iii) True And False Statements; (Iv) Hints And Solutions.

Phyto and Rhizo Remediation

The Transuranium Elements

Abiotic Stress Response in Plants

Completely revised, entirely rewritten, thoroughly updated, and judiciously enlarged by a highly qualified and experienced team of editors.

The General Science Compendium for IAS Prelims General Studies Paper 1 & State PSC Exams 2nd Edition

Objective Chemistry

Understanding Physics Optics & Modern Physics

Have you ever Fallen in love at first sight? Gone to your first date with an empty wallet? Been caught kissing your girl by her father? Risked missing your IIT exam to meet her for the last time? Aarav has. Aarav is a rich brat who sleeps with every girl he is even mildly attracted to. He transforms from a shy teenager to an inconsiderate adult until an important realization hits him. Discover the pangs of his roller-coaster life as he reveals his deepest secrets. Now a national bestseller, *A Half-baked Love Story* is the story of two very different individuals as they come to terms with the pangs and pleasures of first love while battling the situations that life has placed them in. Let the characters guide you through this beautiful tale of love, loss and longing.

Advanced Problems In Physical Chemistry For Competitive Examination

Kenneth E. Hagin shows the believer how to get prayers answered. Effective praying, he explains is the result of following certain Biblical principles he outlines in this book.

Concise Inorganic Chemistry

Aromatic Rices

Fundamentals of Physical Chemistry is the signature compilation of the class tested notes of iconic chemistry coach Ananya Ganguly. Her unique teaching methodology and authoritative approach in teaching of concepts, their application and strategy is ideal for preparing for the IITJEE examinations. The author's impeccable command and the authority on each foray of chemistry teaching are visible in each chapter and the chapter ending exercises. Each chapter unfolds the structured, systematic and patterned chemistry concepts in lucid and student friendly approach. The book is without those unnecessary frills that make the bulk in other popular books in the market for the IITJEE. An indispensable must have for in-depth comprehension of Chemistry for the coveted IITJEE.

Fundamentals of Physical Chemistry

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