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Advances in String Theory Fleet Management and Logistics **The Chemistry of the Actinide and Transactinide Elements (3rd ed., Volumes 1-5) The Chemistry of the Actinide and Transactinide Elements (Set Vol.1-6) Activated Carbon Adsorption Chemical Solution Deposition of Functional Oxide Thin Films Standard Potentials in Aqueous Solution Problems and Solutions in Accountancy Class XII Environmentally-Benign Energy Solutions Produktion und Umwelt Sustainable Solutions for Environmental Pollution, Volume 2 Innovative Solutions Proceedings of the International Symposium on Solvent Extraction (ISSE) NCERT Solutions - Business Studies for Class XI Histopathology of Seed-Borne Infections Black Hole Physics Strategies and Solutions to Advanced Organic Reaction Mechanisms The Measure of Form Springer Handbook of Crystal Growth Organic Nonlinear Optical Materials Monthly Weather Review Solutions to Practical Problems in Income Tax Diarrhoeal Diseases Research Recent Advances in the Analytical Chemistry of the Noble Metals Engineering Mathematics Stochastic Global Optimization Atmospheric Modeling HYDROGEOLOGY: PROBLEMS WITH SOLUTIONS Decentralized Solutions for Developing Economies The Dynamics of Meristem Cell Populations Indian Journal of Public Health Great Lakes Rocks Oswaal NCERT Problems - Solutions (Textbook + Exemplar) Class 9 Science Book (For 2023 Exam) South African Journal of Science Machine Drawing NBS Special**

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Publication Linear Integer Programming Accuracy in Trace Analysis Advanced Earth-to-orbit Propulsion Technology--1994

Springer Handbook of Crystal Growth Apr 13 2021 Over the years, many successful attempts have been chapters in this part describe the well-known processes made to describe the art and science of crystal growth, such as Czochralski, Kyropoulos, Bridgman, and o- and many review articles, monographs, symposium v- ing zone, and focus speci cally on recent advances in umes, and handbooks have been published to present improving these methodologies such as application of comprehensive reviews of the advances made in this magnetic elds, orientation of the growth axis, intro- eld. These publications are testament to the grow- duction of a pedestal, and shaped growth. They also ing interest in both bulk and thin- lm crystals because cover a wide range of materials from silicon and III-V of their electronic, optical, mechanical, microstructural, compounds to oxides and uorides. and other properties, and their diverse scienti c and The third part, Part C of the book, focuses on - technological applications. Indeed, most modern ad- lution growth. The various aspects of hydrothermal vances in semiconductor and optical devices would growth are discussed in two chapters, while three other not have been possible without the development of chapters present an overview of the nonlinear and laser many elemental, binary, ternary, and other compound crystals, KTP and KDP. The knowledge on the effect of crystals of varying properties and large sizes. The gravity on solution growth is presented through a c- literature devoted to basic understanding of growth parison of growth on Earth versus in a microgravity mechanisms, defect formation, and growth processes environment.

Fleet Management and Logistics Sep 30 2022 TEODOR GABRIEL CRAINIC, DIRECTOR The Centre for Research on Transportation
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(C.R.T.) was founded in 1971 by the Universite de Montreal. From 1988 on, it is jointly managed by the Universite de Montreal and its affiliated schools, the Ecole des Hautes Etudes Commerciales and Ecole Poly technique. Professors, students and researchers from many institutions in the Montreal area join forces at the C.R.T. to analyze transportation, logistics and telecommunication systems from a multidisciplinary perspective. The C.R.T. pursues three major, complementary objectives: training of high-level specialists; the advancement of knowledge and technology; the transfer of technology towards industry and the public sector. Its main field of expertise is the development of quantitative and computer-based models and methods for the analysis of urban, regional and intercity transportation networks, as well as telecommunication systems. This applies to the study of passenger and commodity flows, as well as to the socioeconomic aspects of transportation: policy, regulation, economics. The twenty-fifth anniversary of the C.R.T. offered the opportunity to evaluate past accomplishments and to identify future trends and challenges. Five colloquia were thus organized on major research and application themes that also reflected our main research areas. They gathered together internationally renowned researchers who linked recent scientific and technological advances to modeling and methodological challenges waiting to be tackled, particularly concerning new problems and applications, and the increasingly widespread use of new technologies.

The Dynamics of Meristem Cell Populations Apr 01 2020

These proceedings are composed of three parts: 1) the individual papers, 2) their discussions, and 3) a retrospective summation of the meeting's deliberations. If we were to suggest a starting place for reading it would probably be the summation --it attempts to place the various papers and discussions into a general context and to point out relevant ideas of current knowledge and of potentially useful avenues for further research. The papers and discussions deal more specifically with the individual topics.

hoped that the tone and tenor of the meeting are some what reflected in its proceedings. The emphasis today in biological research is quite "ecumenical" in outlook in that often techniques and conclusions from one discipline have relevance and applicability to another. For example, the elucidation of the DNA synthetic stage during interphase was first accomplished with botanical material; this technique has since had a broad and significant role in medical research. Also, the pioneering and now classical studies regarding the effects of ionizing radiation on plant chromosomes were, and still are, the foundation for studying mammalian chromosomes: it required only the discovery of a hypotonic medium to achieve spreading of them so that similar types of analyses were possible. Plants and plant cells have many unique features which allow them to be useful either for the study of specific botanical problems, or for studying broad biological principles.

Activated Carbon Adsorption Jun 27 2022 High surface area, a microporous structure, and a high degree of surface reactivity make activated carbons versatile adsorbents, particularly effective in the adsorption of organic and inorganic pollutants from aqueous solutions. Activated Carbon Adsorption introduces the parameters and mechanisms involved in the activated carbon adsorption

Diarrhoeal Diseases Research Nov 08 2020

Engineering Mathematics Sep 06 2020

Machine Drawing Oct 27 2019 About the Book: Written by three distinguished authors with ample academic and teaching experience, this textbook, meant for diploma and degree students of Mechanical Engineering as well as those preparing for AMIE examination, incorporates the latest st

NCERT Solutions - Business Studies for Class XI Sep 18

2021 NCERT Textbooks play the most vital role in developing student's understanding and knowledge about a subject and the concepts or topics covered under a particular subject. Keeping in

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mind this immense importance and significance of the NCERT Textbooks in mind, Arihant has come up with a unique book containing Questions-Answers of NCERT Textbook based questions. This book containing solutions to NCERT Textbook questions has been designed for the students studying in Class XI following the NCERT Textbook for Business Studies. The present book has been divided into two parts containing 12 Chapters covering the syllabi of Business Studies for Class XI. Part A covers Nature & Purpose of Business, Forms of Business Organisation, Private, Public & Global Enterprises, Business Services, Emerging Modes of Business and Social Responsibilities of Business & Business Ethics whereas Part B covers Formation of a Company, Sources of Business Finance, Small Business, Internal Trade, International Business-I and International Business-II. This book has been worked out with an aim of overall development of the students in such a way that it will help students define the way how to write the answers of the textbook based questions. The book covers selected NCERT Exemplar Problems which will help the students understand the type of questions and answers to be expected in the Class XI Business Studies Examination. Also each chapter in the book begins with a summary of the chapter which will help in effective understanding of the theme of the chapter and to make sure that the students will be able to answer all popular questions concerned to a particular chapter whether it is Long Answer Type or Short Answer Type Question. The book has been designed systematically in the simplest manner for easy comprehension of the chapters and their themes. For the overall benefit of students the book has been designed in such a way that it not only gives solutions to all the exercises but also gives detailed explanations which will help the students in learning the concepts and will enhance their thinking and learning abilities. As the book has been designed strictly according to the NCERT Textbook of Business Studies for Class XI and contains simplified text

in the form of class room notes and answers to all the questions in lucid language, it for sure will help the Class XI students in an effective way for Business Studies.

Decentralized Solutions for Developing Economies May 03 2020

The volume presents innovative approaches to improving energy access in underprivileged communities. A core theme is the use of previously underutilized or unrecognized resources that can be found through synergies in supply and value innovation, novel financing methods, and the use of leapfrog technologies. The contributors illustrate how decentralized approaches and small-scale localized solutions can promote climate change mitigation and adaptation and increase the resiliency of vulnerable communities. This book gathers selected articles from the 2014 Micro energy Systems Conference at UC Berkeley that focus on technical, financial, human, institutional, and natural resource capital. The contributions reflect the latest concepts, theories, methods and techniques, offering a valuable resource for researchers, practitioners and governmental institutions engaged in the field of energy access for developing countries.

South African Journal of Science Nov 28 2019

Standard Potentials in Aqueous Solution Apr 25 2022 The best available collection of thermodynamic data! The first-of-its-kind in over thirty years, this up-to-date book presents the current knowledge on Standard Potentials in Aqueous Solution. Written by leading international experts and initiated by the IUPAC Commissions on Electrochemistry and Electroanalytical Chemistry, this remarkable work begins with a thorough review of basic concepts and methods for determining standard electrode potentials. Building upon this solid foundation, this convenient source proceeds to discuss the various redox couples for every known element. The chapters of this practical, time-saving guide are organized in order of the groups of elements on the periodic table, for easy reference to vital material. AND each chapter also contains the fundamental chemistry of elements.

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numerous equations of chemical reactions . . . easy-to-read tables of thermodynamic data . . . and useful oxidation-reduction diagrams. Standard Potentials in Aqueous Solution is an ideal, handy reference for analytical and physical chemists, electrochemists, electroanalytical chemists, chemical engineers, biochemists, inorganic and organic chemists, and spectroscopists needing information on reactions and thermodynamic data in inorganic chemistry . And it is a valuable supplementary text for undergraduate- and graduate-level chemistry students.

Stochastic Global Optimization Aug 06 2020

Problems and Solutions in Accountancy Class XII Mar 25 2022

Part : A - Accounting for Not-for-Profit Organisations and Partnership Firms 1. Accounting for Not-for-Profit Organisations, 2. Accounting for Partnership Firms—Fundamentals, 3. Goodwill : Meaning, Nature, Factors Affecting and Methods of Valuation, 4. Reconstitution of Partnership—change in Profit-Sharing Ratio among the Existing Partners, 5. Admission of a Partner, 6. Retirement of a Partner, 7. Death of a Partner, 8. Dissolution of Partnership Firm. Part : B - Company Accounts and Analysis of Financial Accounting 1. Accounting for Share Capital : Share and Share Capital, 2. Accounting for Share Capital : Issue of Shares, 3. Forfeiture and Re-Issue of Share, 4. Issue of Debentures, 5. Redemption of Debentures, 6. Financial Statements of a Company : Balance Sheet and Statement of Profit and Loss, 7. Tools for Financial Statement Analysis : Comparative Statements, 8. Common-Size Statements, 9. Accounting Ratios, 10. Cash Flow Statement.

Accuracy in Trace Analysis Jul 25 2019

Mar 13 2021

Chemical Solution Deposition of Functional Oxide Thin

Films May 27 2022 This is the first text to cover all aspects of solution processed functional oxide thin-films. Chemical Solution Deposition (CSD) comprises all solution based thin- film

deposition techniques, which involve chemical reactions of
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precursors during the formation of the oxide films, i. e. sol-gel type routes, metallo-organic decomposition routes, hybrid routes, etc. While the development of sol-gel type processes for optical coatings on glass by silicon dioxide and titanium dioxide dates from the mid-20th century, the first CSD derived electronic oxide thin films, such as lead zirconate titanate, were prepared in the 1980's. Since then CSD has emerged as a highly flexible and cost-effective technique for the fabrication of a very wide variety of functional oxide thin films. Application areas include, for example, integrated dielectric capacitors, ferroelectric random access memories, pyroelectric infrared detectors, piezoelectric micro-electromechanical systems, antireflective coatings, optical filters, conducting-, transparent conducting-, and superconducting layers, luminescent coatings, gas sensors, thin film solid-oxide fuel cells, and photoelectrocatalytic solar cells. In the appendix detailed "cooking recipes" for selected material systems are offered.

Recent Advances in the Analytical Chemistry of the Noble Metals Oct 08 2020

The Measure of Form May 15 2021 -----

Produktion und Umwelt Jan 23 2022 Dieses Buch enthält eine Auswahl wesentlicher Publikationen von Otto Rentz. Die Themenschwerpunkte seiner Arbeit und damit der Publikationen liegen in den Gebieten Produktion, Operations Research, Umweltschutz, nachhaltiges Wirtschaften und Energiewirtschaft. Das Buch gibt damit einen Überblick über das vielfältige Werk des Autors, die von ihm untersuchten Probleme, der angewandten Methoden und der erzielten Ergebnisse.

Indian Journal of Public Health Mar 01 2020

Innovative Solutions Nov 20 2021 Expanding into emerging markets brings with it a specific set of challenges for designing products and services. Not only do cultural differences play a role in what, how, and why customers behave the way they do, but existing technologies, distribution channels, and the wants and needs of customers are also key factors.

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needs of consumers become additional challenges when establishing market shares in the developing world. *Innovative Solutions: What Designers Need to Know for Today's Emerging Markets* describes the landscape of these new markets and discusses research and design methodologies tailored to them. Local designers and researchers offer insight directly from the depths of India, China, and other parts of the world. They take an in-depth look at user research methods in underserved communities, new tools such as ecosystems mapping to define the elements impacting innovation and design decisions, and methodologies to develop solution spaces based on the output from user research studies. The book then presents real-life examples through case studies and interviews. The case studies draw not only from the authors' work with clients such as HP Labs, Nokia, Haier, Philips, Intel, and A Piece of Pie, but also from user experience and the results of innovation research across the globe. The interviews include conversations with leaders in innovation such as Roopa Purushothaman, Tapan Parikh, Ram Sehgal, Steve Portigal, Dmitry Volkov, and Darelle van Greunen. A fascinating perspective of the users and ecosystem in emerging nations, the book provides deeper insights on how a user-centered innovation and design approach has been applied in practical settings. Examining the challenges of innovating and designing for emerging markets, it incorporates research and practice to explore new ways of uncovering the riches and opportunities in innovation and design for emerging markets.

NBS Special Publication Sep 26 2019

Monthly Weather Review Jan 11 2021

Histopathology of Seed-Borne Infections Aug 18 2021

Histopathology of Seed-Borne Infections is the first book to provide comprehensive coverage of seed infection and disease. It includes an up-to-date account on the development and structure of seed, pointing out the structural variations in seeds of the plant families to which most crop plants belong. The text presents

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techniques and advice for his

Strategies and Solutions to Advanced Organic Reaction

Mechanisms Jun 15 2021 Strategies and Solutions to Advanced Organic Reaction Mechanisms: A New Perspective on McKillop's Problems builds upon Alexander (Sandy) McKillop's popular text, Solutions to McKillop's Advanced Problems in Organic Reaction Mechanisms, providing a unified methodological approach to dealing with problems of organic reaction mechanism. This unique book outlines the logic, experimental insight and problem-solving strategy approaches available when dealing with problems of organic reaction mechanism. These valuable methods emphasize a structured and widely applicable approach relevant for both students and experts in the field. By using the methods described, advanced students and researchers alike will be able to tackle problems in organic reaction mechanism, from the simple and straight forward to the advanced. Provides strategic methods for solving advanced mechanistic problems and applies those techniques to the 300 original problems in the first publication Replaces reliance on memorization with the understanding brought by pattern recognition to new problems Supplements worked examples with synthesis strategy, green metrics analysis and novel research, where available, to help advanced students and researchers in choosing their next research project

Black Hole Physics Jul 17 2021 Introduces the physics of black holes and the methods employed in it, and reviews the main results of this branch of physics. Frolov (physics, U. of Alberta) and Novikov (theoretical astrophysics, U. of Copenhagen) focus on questions that have been answered relatively recently. Among the topics treated are: space-time of stationary black holes, general theory of black holes, black hole perturbations, numerics, electrodynamics, black holes in unified theories of gravity, quantum black holes, final states of evaporating black holes, and the information loss puzzle. Special attention is paid to the

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black holes in astrophysics and observational evidence of black hole existence. Many exotic subjects linked with black holes, such as white holes, wormholes, and time machines, are discussed. Appendices cover mathematical aspects of general relativity and black holes and quantum field theory in curved spacetime. Annotation copyrighted by Book News, Inc., Portland, OR
Advanced Earth-to-orbit Propulsion Technology--1994 Jun 23 2019

Environmentally-Benign Energy Solutions Feb 21 2022 This book provides high-quality research results and proposes future priorities for more sustainable development and energy security. It covers a broad range of topics on atmospheric changes, climate change impacts, climate change modeling and simulations, energy and environment policies, energy resources and conversion technologies, renewables, emission reduction and abatement, waste management, ecosystems and biodiversity, and sustainable development. Gathering selected papers from the 7th Global Conference on Global Warming (GCGW2018), held in Izmir, Turkey on June 24–28, 2018, it: Offers comprehensive coverage of the development of systems taking into account climate change, renewables, waste management, chemical aspects, energy and environmental issues, along with recent developments and cutting-edge information Highlights recent advances in the area of energy and environment, and the debate on and shaping of future directions and priorities for a better environment, sustainable development and energy security Provides a number of practical applications and case studies Is written in an easy-to-follow style, moving from the basics to advanced systems. Given its scope, the book offers a valuable resource for readers in academia and industry alike, and can be used at the graduate level or as a reference text for professors, researchers and engineers.

Sustainable Solutions for Environmental Pollution, Volume 2 Dec 22 2021 SUSTAINABLE SOLUTIONS FOR ENVIRONMENTAL POLLUTION
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POLLUTIONS This second volume in a broad, comprehensive two-volume set, "Sustainable Solutions for Environmental Pollution", concentrates on air, water, and soil reclamation, some of the biggest challenges facing environmental engineers and scientists today. This second, new volume in the two-volume set, Sustainable Solutions for Environmental Pollution, picks up where volume one left off, covering the remediation of air, water, and soil environments. Outlining new methods and technologies for all three environmental scenarios, the authors and editor go above and beyond, introducing naturally-based techniques in addition to changes and advances in more standard methods. Written by some of the most well-known and respected experts in the field, with a prolific and expert editor, this volume takes a multidisciplinary approach, across many scientific and engineering fields, intending the two-volume set as a "one-stop shop" for all of the advances and emerging techniques and processes in this area. This groundbreaking new volume in this forward-thinking set is the most comprehensive coverage of all of these issues, laying out the latest advances and addressing the most serious current concerns in environmental pollution. Whether for the veteran engineer or the student, this is a must-have for any library. This volume: Offers new concepts and techniques for air, water, and soil environment remediation, including naturally-based solutions Provides a comprehensive coverage of removing heavy chemicals from the environment Offers new, emerging techniques for pollution prevention Is filled with workable examples and designs that are helpful for practical applications Is useful as a textbook for researchers, students, and faculty for understanding new ideas in this rapidly emerging field

AUDIENCE: Petroleum, chemical, process, and environmental engineers, other scientists and engineers working in the area of environmental pollution, and students at the university and graduate level studying these areas.

Linear Integer Programming Aug 25 2019 This book presents
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the state-of-the-art methods in Linear Integer Programming, including some new algorithms and heuristic methods developed by the authors in recent years. Topics as Characteristic equation (CE), application of CE to bi-objective and multi-objective problems, Binary integer problems, Mixed-integer models, Knapsack models, Complexity reduction, Feasible-space reduction, Random search, Connected graph are also treated.

Atmospheric Modeling Jul 05 2020 This volume contains refereed papers submitted by international experts who participated in the Atmospheric Modeling workshop March 15 -19, 2000 at the Institute for Mathematics and Its Applications (IMA) at the University of Minnesota. The papers cover a wide range of topics presented in the workshop. In particular, mathematical topics include a performance comparison of operator-splitting and non-splitting methods, time-stepping methods to preserve positivity and consideration of multiple timescale issues in the modeling of atmospheric chemistry, a fully 3D adaptive-grid method, impact of grid resolution on model predictions, testing the robustness of different flow fields, modeling and numerical methods in four-dimensional variational data assimilation, and parallel computing. Modeling topics include the development of an efficient self-contained global circulation-chemistry-transport model and its applications, the development of a modal aerosol model, and the modeling of the emissions and chemistry of monoterpenes that lead to the formation of secondary organic aerosols. The volume provides an excellent cross section of current research activities in atmospheric modeling.

Oswaal NCERT Problems - Solutions (Textbook + Exemplar) Class 9 Science Book (For 2023 Exam) Dec 30 2019 • Chapter

wise & Topic wise presentation for ease of learning • Quick Review for in depth study • Mind maps for clarity of concepts • All MCQs with explanation against the correct option • Some

important questions developed by 'Oswaal Panel' of experts

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The Chemistry of the Actinide and Transactinide Elements (3rd ed., Volumes 1-5) Aug 30 2022

The Chemistry of the Actinide and Transactinide Elements is a contemporary and definitive compilation of chemical properties of all of the actinide elements, especially of the technologically important elements uranium and plutonium, as well as the transactinide elements. In addition to the comprehensive treatment of the chemical properties of each element, ion, and compound from atomic number 89 (actinium) through to 109 (meitnerium), this multi-volume work has specialized and definitive chapters on electronic theory, optical and laser fluorescence spectroscopy, X-ray absorption spectroscopy, organoactinide chemistry, thermodynamics, magnetic properties, the metals, coordination chemistry, separations, and trace analysis. Several chapters deal with environmental science, safe handling, and biological interactions of the actinide elements. The Editors invited teams of authors, who are active practitioners and recognized experts in their specialty, to write each chapter and have endeavoured to provide a balanced and insightful treatment of these fascinating elements at the frontier of the periodic table. Because the field has expanded with new spectroscopic techniques and environmental focus, the work encompasses five volumes, each of which groups chapters on related topics. All chapters represent the current state of research in the chemistry of these elements and related fields.

Advances in String Theory Nov 01 2022 Over the past decade string theory has had an increasing impact on many areas of physics: high energy and hadronic physics, gravitation and cosmology, mathematical physics and even condensed matter physics. The impact has been through many major conceptual and methodological developments in quantum field theory in ~~Access Free~~

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fifteen years. In addition, string theory has exerted a dramatic influence on developments in contemporary mathematics, including Gromov-Witten theory, mirror symmetry in complex and symplectic geometry, and important ramifications in enumerative geometry. This volume is derived from a conference of younger leading practitioners around the common theme: "What is string theory?" The talks covered major current topics, both mathematical and physical, related to string theory. Graduate students and research mathematicians interested in string theory in mathematics and physics will be interested in this workshop.

Organic Nonlinear Optical Materials Feb 09 2021 Organic Nonlinear Optical Materials provides an extensive description of the preparation and characterization of organic materials for applications in nonlinear and electro-optics. The book discusses the fundamental optimization and practical limitations of a number of figures of merit for various optical parameters and gives a clinical appraisal o

Great Lakes Rocks Jan 29 2020 A much-needed exploration of Great Lakes geology

The Chemistry of the Actinide and Transactinide Elements (Set Vol.1-6) Jul 29 2022 The fourth edition of "The Chemistry of the Actinide and Transactinide Elements" comprises all chapters in volumes 1 through 5 of the third edition (published in 2006) plus a new volume 6. To remain consistent with the plan of the first edition, " ... to provide a comprehensive and uniform treatment of the chemistry of the actinide [and transactinide] elements for both the nuclear technologist and the inorganic and physical chemist," and to be consistent with the maturity of the field, the fourth edition is organized in three parts. The first group of chapters follows the format of the first and second editions with chapters on individual elements or groups of elements that describe and interpret their chemical properties. A chapter on the chemical properties of the transactinide elements follows. The second group, chapters 15-26, summarizes **Access Free**

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correlates physical and chemical properties that are in general unique to the actinide elements, because most of these elements contain partially-filled shells of 5f electrons whether present as isolated atoms or ions, as metals, as compounds, or as ions in solution. The third group, chapters 27-39, focuses on specialized topics that encompass contemporary fields related to actinides in the environment, in the human body, and in storage or wastes. Two appendices at the end of volume 5 tabulate important nuclear properties of all actinide and transactinide isotopes. Volume 6 (Chapters 32 through 39) consists of new chapters that focus on actinide species in the environment, actinide waste forms, nuclear fuels, analytical chemistry of plutonium, actinide chalcogenide and hydrothermal synthesis of actinide compounds. The subject and author indices and list of contributors encompass all six volumes.

Solutions to Practical Problems in Income Tax Dec 10 2020

The book 'Solutions to Practical Problems in Income Tax' is of utmost utility for the students of various courses. This book includes all the solutions to numericals and practical problems included in the related book. For the help of the students, the solutions of the book are simple, comprehensible and easily understandable.

Proceedings of the International Symposium on Solvent Extraction (ISSE) Oct 20 2021

HYDROGEOLOGY: PROBLEMS WITH SOLUTIONS Jun 03 2020

Numerical calculations are inevitably required in the field of hydrogeology and play a significant role in dealing with its various aspects. As often as not, students are seen struggling while solving numerical problems based on hydrogeology, as they find difficulty in identifying the correct concept behind the problem and the formula that can be applied to it. Also, there is a dearth of books, which help the readers in solving numerical problems of varied difficulty level and enable them to have a firm grounding in the subject of hydrogeology. The book

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Hydrogeology: Problems with Solutions fills this void in the finest way, and as desired, chiefly focuses on the sequential steps involved in solving the problems based on hydrogeology. It concisely covers the fundamental concepts, advanced principles and applications of hydrogeological tasks rather than overemphasising the theoretical aspects. The text comprises sixty solved hydrogeological problems, which are logically organised into ten chapters, including hydrological cycle, morphometric analysis, hydrological properties, groundwater flow, well hydraulics, well design and construction, groundwater management, seawater intrusion, groundwater exploration and groundwater quality. The practice of pedagogy of hydrogeology in yesteryears was a two-tier approach of theoretical principles with toy problems and in-situ case studies for research start-up. This book bridges the gap between routine problem-solving and state-of-the-practice for future. The book is primarily intended for the undergraduate and postgraduate students of Earth Sciences, Civil Engineering, Water Resources Engineering, Hydrogeology and Hydrology. It also serves as an excellent handy reference for all professionals.

KEY FEATURES

- Key Concept succinctly explores the models, methods and theoretical concepts related to each problem.
- Necessary equations and formulae are specified.
- Appendices and Glossary are included, leaving no scope to refer any other book.
- Bibliography broadens the scope of the book.