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Fundamentals of Information Technology - Bharihoke 2009

The third edition of Fundamentals of Information Technology is a 'must have' book not only for BCA and MBA students, but also for all those who want to strengthen their knowledge of computers. The additional chapter on MS Office is a comprehensive study on MS Word, MS Excel and other components of the package. This book is packed with expert advice from eminent IT professionals, in-depth analyses and practical examples. It presents a detailed functioning of hardware components besides covering the software concepts. A broad overview of Computer architecture, Data representation in the computer, Operating systems, Database management systems, Programming languages, etc., has also been included. An additional chapter on Mobile Computing and other state-of-the-art innovations in the IT world have been incorporated. Not only that, the latest Internet technologies have also been covered in detail. One should use this book to acquire computer literacy in terms of how data is represented in a computer, how hardware devices are integrated to get the desired results, how the computer can be networked for interchanging data and establishing communication. Each chapter is followed by a number of review questions.

English Literature - Ryan West & 2018-04-12

Loaded with captivating data, this brief and engaging overview includes a portion of the major abstract showstoppers of nineteenth-century England. In the event that you at any point needed to know which Thomas Hardy novel to peruse in the first place, or simply needed to stand your ground at a mixed drink gathering of English educators, this book is for you. Notwithstanding disclosing to you why Reverend Patrick Bronte copied his youngsters' new red shoes, and whether George Eliot was a man or lady and that's only the tip of the iceberg, Instant English Literature offers extraordinary highlights - including section rundowns, arrangements of's who, true to life and chronicled goodies, title records, and a large group of delineations, photographs, and kid's shows. "e;We think about the nineteenth century as a dynamic age - the time of pioneer extension, upsets, and railways, of extraordinary investigation and the Great Exhibition. Yet, in perusing crafted by Romantic and Victorian scholars one notification a contention, what Stefanie Markovits terms "e;an emergency of activity."e; In her book, *The Crisis of Action in Nineteenth-Century English Literature*, Markovits maps out this contention by concentrating on four authors: William Wordsworth, Arthur Hugh Clough, George Eliot, and Henry James.

Final Solutions - Mahesh Dattani 2013-07-15

'A playwright of world stature'—Mario Relich, Wasafiri *Final Solutions* is one of Mahesh Dattani's most renowned and widely performed plays. Moving between the Partition of India and the present day, it explores issues of religious bigotry and communal violence. One night, after being chased by a murderous mob, two Muslim boys seek shelter in the home of a Hindu Gujarati family. The boys' arrival unleashes a flood of bitter memories and deep-seated prejudices. And as the tension builds towards a powerful climax, the play becomes a timely reminder of the need for tolerance. 'At last we have a playwright who gives sixty million English-speaking Indians an identity'—Alyque Padamsee 'Powerful and disturbing'—The New York Times

International Scientific Conference Energy Management of Municipal Facilities and Sustainable

Energy Technologies EMMFT 2018 - Vera Murgul 2019-05-27

This book presents a collection of the latest studies on and applications for the sustainable development of urban energy systems. Based on the 20th International Scientific Conference on Energy Management of Municipal Facilities and Sustainable Energy Technologies, held in Voronezh and Samara, Russia from 10 to 13 December 2018, it addresses a range of aspects including energy modelling, materials and applications in buildings; heating, ventilation and air conditioning systems; renewable energy technologies (photovoltaic, biomass, and wind energy); electrical energy storage; energy management; and life cycle assessment in urban systems and transportation. The book is intended for a broad readership: from policymakers tasked with evaluating and promoting key enabling technologies, efficiency policies and sustainable energy practices, to researchers and engineers involved in the design and analysis of complex systems.

A Korean Nationalist Entrepreneur - Choong Soon Kim

During the period of Japanese domination, Kim Songsu emerged as one of Korea's leading cultural nationalists. This life history details his contribution to the self-strengthening programs moderate nationalists advocated as the foundation for Korea's independence.

Papers in ITJEMAST 11(7) 2020 -

International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies publishes a wide spectrum of research and technical articles as well as reviews, experiments, experiences, modelings, simulations, designs, and innovations from engineering, sciences, life sciences, and related disciplines as well as interdisciplinary/cross-disciplinary/multidisciplinary subjects. Original work is required. Article submitted must not be under consideration of other publishers for publications.

Recent Developments in Stochastic Methods and Applications - Albert N. Shiryaev 2021-08-02

Highlighting the latest advances in stochastic analysis and its applications, this volume collects carefully selected and peer-reviewed papers from the 5th International Conference on Stochastic Methods (ICSM-5), held in Moscow, Russia, November 23-27, 2020. The contributions deal with diverse topics such as stochastic analysis, stochastic methods in computer science, analytical modeling, asymptotic methods and limit theorems, Markov processes, martingales, insurance and financial mathematics, queueing theory and stochastic networks, reliability theory, risk analysis, statistical methods and applications, machine learning and data analysis. The 29 articles in this volume are a representative sample of the 87 high-quality papers accepted and presented during the conference. The aim of the ICSM-5 conference is to promote the collaboration of researchers from Russia and all over the world, and to contribute to the development of the field of stochastic analysis and applications of stochastic models.

A Textbook of Physical Chemistry - Volume 1 - Mandeep Dalal 2018-01-01

An advanced-level textbook of physical chemistry for the graduate (B.Sc) and postgraduate (M.Sc) students of Indian and foreign universities. This book is a part of four volume series, entitled "A Textbook of Physical Chemistry - Volume I, II, III, IV". CONTENTS: Chapter 1. Quantum Mechanics - I: Postulates of quantum mechanics; Derivation of Schrodinger wave equation; Max-Born interpretation of wave functions; The Heisenberg's uncertainty principle; Quantum mechanical operators and their commutation relations;

Hermitian operators (elementary ideas, quantum mechanical operator for linear momentum, angular momentum and energy as Hermitian operator); The average value of the square of Hermitian operators; Commuting operators and uncertainty principle (x & p ; E & t); Schrodinger wave equation for a particle in one dimensional box; Evaluation of average position, average momentum and determination of uncertainty in position and momentum and hence Heisenberg's uncertainty principle; Pictorial representation of the wave equation of a particle in one dimensional box and its influence on the kinetic energy of the particle in each successive quantum level; Lowest energy of the particle. Chapter 2. Thermodynamics - I: Brief resume of first and second Law of thermodynamics; Entropy changes in reversible and irreversible processes; Variation of entropy with temperature, pressure and volume; Entropy concept as a measure of unavailable energy and criteria for the spontaneity of reaction; Free energy, enthalpy functions and their significance, criteria for spontaneity of a process; Partial molar quantities (free energy, volume, heat concept); Gibb's-Duhem equation. Chapter 3. Chemical Dynamics - I: Effect of temperature on reaction rates; Rate law for opposing reactions of 1st order and 2nd order; Rate law for consecutive & parallel reactions of 1st order reactions; Collision theory of reaction rates and its limitations; Steric factor; Activated complex theory; Ionic reactions: single and double sphere models; Influence of solvent and ionic strength; The comparison of collision and activated complex theory. Chapter 4. Electrochemistry - I: Ion-Ion Interactions: The Debye-Huckel theory of ion-ion interactions; Potential and excess charge density as a function of distance from the central ion; Debye Huckel reciprocal length; Ionic cloud and its contribution to the total potential; Debye - Huckel limiting law of activity coefficients and its limitations; Ion-size effect on potential; Ion-size parameter and the theoretical mean-activity coefficient in the case of ionic clouds with finite-sized ions; Debye - Huckel-Onsager treatment for aqueous solutions and its limitations; Debye-Huckel-Onsager theory for non-aqueous solutions; The solvent effect on the mobility at infinite dilution; Equivalent conductivity (Λ) vs. concentration $c^{1/2}$ as a function of the solvent; Effect of ion association upon conductivity (Debye-Huckel - Bjerrum equation). Chapter 5. Quantum Mechanics - II: Schrodinger wave equation for a particle in a three dimensional box; The concept of degeneracy among energy levels for a particle in three dimensional box; Schrodinger wave equation for a linear harmonic oscillator & its solution by polynomial method; Zero point energy of a particle possessing harmonic motion and its consequence; Schrodinger wave equation for three dimensional Rigid rotator; Energy of rigid rotator; Space quantization; Schrodinger wave equation for hydrogen atom, separation of variable in polar spherical coordinates and its solution; Principle, azimuthal and magnetic quantum numbers and the magnitude of their values; Probability distribution function; Radial distribution function; Shape of atomic orbitals (s, p & d). Chapter 6. Thermodynamics - II: Clausius-Clayperon equation; Law of mass action and its thermodynamic derivation; Third law of thermodynamics (Nernst heat theorem, determination of absolute entropy, unattainability of absolute zero) and its limitation; Phase diagram for two completely miscible components systems; Eutectic systems, Calculation of eutectic point; Systems forming solid compounds $A_x B_y$ with congruent and incongruent melting points; Phase diagram and thermodynamic treatment of solid solutions. Chapter 7. Chemical Dynamics - II: Chain reactions: hydrogen-bromine reaction, pyrolysis of acetaldehyde, decomposition of ethane; Photochemical reactions (hydrogen - bromine & hydrogen -chlorine reactions); General treatment of chain reactions (ortho-para hydrogen conversion and hydrogen - bromine reactions); Apparent activation energy of chain reactions, Chain length; Rice-Herzfeld mechanism of organic molecules decomposition (acetaldehyde); Branching chain reactions and explosions (H_2-O_2 reaction); Kinetics of (one intermediate) enzymatic reaction : Michaelis-Menton treatment; Evaluation of Michaelis 's constant for enzyme-substrate binding by Lineweaver-Burk plot and Eadie-Hofstae methods; Competitive and non-competitive inhibition. Chapter 8. Electrochemistry - II: Ion Transport in Solutions: Ionic movement under the influence of an electric field; Mobility of ions; Ionic drift velocity and its relation with current density; Einstein relation between the absolute mobility and diffusion coefficient; The Stokes- Einstein relation; The Nernst -Einstein equation; Walden's rule; The Rate-process approach to ionic migration; The Rate process equation for equivalent conductivity; Total driving force for ionic transport, Nernst - Planck Flux equation; Ionic drift and diffusion potential; the Onsager phenomenological equations; The basic equation for the diffusion; Planck-Henderson equation for the diffusion potential.

The Praise of Folly - Desiderius Erasmus 1913

CHILDHOOD AND GROWING UP - MANGAL, S. K. 2019-05-01

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.

Animal Farm - George Orwell 2021-02-02

All animals are equal but some animals are more equal than others. It's just an ordinary farm - until the animals revolt. They get rid of the irresponsible farmer. The other animals are sure that life is improving, but as systems are replaced and half-truths are retold, a new hierarchy emerges . . . Orwell's tale of propaganda, power and greed has never felt more pertinent. With an exciting new cover and inside illustrations by superstar Chris Mould.

Embryology of Angiosperms - B. M. Johri 2012-12-06

Thirty-four years have elapsed since the publication of the late Professor P. Maheshwari's text, An Introduction to the Embryology of Angiosperms, a work which for many years served as an invaluable guide for students and a rich source book for research workers. Various texts dealing with sections of the broad spectrum of topics encompassed by Maheshwari in his book have appeared in the interim, but a compendious modern work dealing with the whole field has been lacking. This present volume splendidly meets the need, and it is altogether fitting that Professor B. M. Johri, long an associate and close colleague of Professor Maheshwari and himself a prolific contributor to the subject, should have undertaken the task of editing it. When Maheshwari wrote, it was still feasible for one author to handle the subject, but today even someone with his fine breadth of vision and depth of understanding could not, alone, do it justice. So the effort has to be a collaborative one; and Professor Johri's achievement has been to bring together a team of authoritative collaborators, assign them their responsibilities, and put them to work to produce a text as integrated in its treatment as the diversity of the subject would allow. The product vividly illustrates the advances that have been made in the study of angiosperm reproductive systems in the last 30 years, and the book is surely destined to become the new standard for student and researcher alike.

RUSSIA. Major Companies in Moscow City. Volume 1 -

Sustainable Development and Planning XI - S. Syngellakis 2020-11-25

In its 11th edition the International Conference on Sustainable Development and Planning continues to attract academics, policy makers, practitioners and other stakeholders from across the globe who discuss the latest advances in the field. This volume presents selected papers that contribute to further advances in the field. Energy saving and eco-friendly building approaches have become an important part of modern development, which places special emphasis on resource optimisation. Planning has a key role to play in ensuring that these solutions as well as new materials and processes are incorporated in the most efficient manner. Problems related to development and planning, which affect rural and urban areas, are present in all regions of the world. Accelerated urbanisation has resulted in deterioration of the environment and loss

of quality of life. Urban development can also aggravate problems faced by rural areas such as forests, mountain regions and coastal areas, amongst many others. Taking into consideration the interaction between different regions and developing new methodologies for monitoring, planning and implementation of novel strategies can offer solutions for mitigating environmental pollution and non-sustainable use of available resources.

Voice Studies - Konstantinos Thomaidis 2015-05-22

Voice Studies brings together leading international scholars and practitioners, to re-examine what voice is, what voice does, and what we mean by "voice studies" in the process and experience of performance. This dynamic and interdisciplinary publication draws on a broad range of approaches, from composing and voice teaching through to psychoanalysis and philosophy, including: voice training from the Alexander Technique to practice-as-research; operatic and extended voices in early baroque and contemporary underwater singing; voices across cultures, from site-specific choral performance in Kentish mines and Australian sound art, to the laments of Kraho Indians, Korean pansori and Javanese wayang; voice, embodiment and gender in Robertson's 1798 production of Phantasmagoria, Cathy Berberian radio show, and Romeo Castellucci's theatre; perceiving voice as a composer, listener, or as eavesdropper; voice, technology and mobile apps. With contributions spanning six continents, the volume considers the processes of teaching or writing for voice, the performance of voice in theatre, live art, music, and on recordings, and the experience of voice in acoustic perception and research. It concludes with a multifaceted series of short provocations that simply revisit the core question of the whole volume: what is voice studies?

Logic Programming and Non-Monotonic Reasoning - Lua-S Moniz Pereira 1993

This is the second in a series of workshops that are bringing together researchers from the theoretical end of both the logic programming and artificial intelligence communities to discuss their mutual interests. This workshop emphasizes the relationship between logic programming and non-monotonic reasoning. Luis' Moniz Pereira is Professor in the Department of Computer Science at the Universidade Nova Lisboa, Portugal. Anil Nerode is Professor and Director of the Mathematical Sciences Institute at Cornell University. Topics include: Stable Semantics. Autoepistemic Logic. Abduction. Implementation Issues. Well-founded Semantics. Truth Maintenance. Probabilistic Theories. Applications. Default Logic. Diagnosis. Complexity and Theory. Handling Inconsistency.

Inorganic Chemistry-II (For M.Sc. Course for Universities in Uttarakhand) - Dr. Geeta Tiwari

This book entitled "Inorganic Chemistry-II", is an effort to present the subject matter in a comprehensible and easily understandable form. This textbook is purposefully prepared for the postgraduate Inorganic Chemistry second semester course and it covers all the topics recommended.

Proceedings of FORM 2021 - Pavel Akimov 2021-11-08

This book gathers the latest advances, innovations, and applications in the field of environmental and construction engineering, as presented by international researchers at the XXIV International Scientific Conference "Construction: The Formation of Living Environment", held in Moscow, Russia on April 22-24, 2021. It covers highly diverse topics, including sustainable innovative development of the construction industry, building materials, reliability of buildings and constructions and safety in construction, modelling and mechanics of building structures, engineering and smart systems in construction, climate change and urban environment. The contributions, which were selected by means of a rigorous international peer-review process, highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaborations.

Creativity in Intelligent Technologies and Data Science - Alla G. Kravets 2019-08-29

This two-volume set constitutes the proceedings of the Third Conference on Creativity in Intellectual Technologies and Data Science, CIT&DS 2019, held in Volgograd, Russia, in September 2019. The 67 full papers, 1 short paper and 3 keynote papers presented were carefully reviewed and selected from 231 submissions. The papers are organized in topical sections in the two volumes. Part I: cyber-physical systems and Big Data-driven world. Part II: artificial intelligence and deep learning technologies for creative tasks; intelligent technologies in social engineering.

Vision of Education in India - Muchkund Dubey 2020-11-02

The present volume seeks to review education in India through a matrix of nation-building, democratization

process, identity, power, social and economic divisions, and social hierarchies. The book revisits the vision of education of some of the great Indian philosophers and leaders, deconstructs some of the seminal documents on education in India, brings out the significant role played by the people's movement in shaping education, and analyses the trends and progress in the implementation of educational programmes and policies. Please note: This title is co-published with Aakar Books, New Delhi. Print edition not for sale in South Asia (India, Sri Lanka, Nepal, Bangladesh, Pakistan, Maldives or Bhutan)

International Scientific Conference Energy Management of Municipal Transportation Facilities and Transport EMMFT 2017 - Vera Murgul 2017-12-19

This book includes the proceedings of the 19th International Scientific Conference "Energy Management of Municipal Transportation Facilities and Transport EMMFT 2017", which was held in Khabarovsk, Russia on 10-13 April 2017. The book presents the research findings of scientists working at universities in the Far Eastern, Siberian and Ural Federal Districts of Russia, and of Serbia, which are unique regions notable for sustainably operating complex transport infrastructures in severe climatic and geographic environments. It also offers practical insights into transportation operation under such conditions. The book discusses the experiences of colleagues from Slovenia, Ukraine and Latvia in the development of transport infrastructure and construction of transport facilities and features and includes the results of a wide range of studies, such as managing multimodal transportation, improving the efficiency of locomotives, electric locomotives, traction substations, electrical substations, relay protection and automation devices, and power-factor correction units. It addresses topics like renewable energy sources, problems of the mathematical and simulation modelling of electromagnetic processes of electrical power objects and systems, aspects of cost reduction for fuel-and-power resources, theoretical aspects of energy management, development of transport infrastructure, modern organizational and technological solutions in construction, new approaches in the field of management, analysis and monitoring in transport sector. Comprising 142 high-quality articles covering a wide range of topics, these proceedings are of interest to anyone engaged in transport engineering, electric power systems, energy management, construction and operation of transport infrastructure buildings and facilities.

Set Theory - Felix Hausdorff 2021-08-24

This work is a translation into English of the Third Edition of the classic German language work Mengenlehre by Felix Hausdorff published in 1937. From the Preface (1937): "The present book has as its purpose an exposition of the most important theorems of the theory of sets, along with complete proofs, so that the reader should not find it necessary to go outside this book for supplementary details while, on the other hand, the book should enable him to undertake a more detailed study of the voluminous literature on the subject. The book does not presuppose any mathematical knowledge beyond the differential and integral calculus, but it does require a certain maturity in abstract reasoning; qualified college seniors and first year graduate students should have no difficulty in making the material their own ... The mathematician will ... find in this book some things that will be new to him, at least as regards formal presentation and, in particular, as regards the strengthening of theorems, the simplification of proofs, and the removal of unnecessary hypotheses."

Technological Advancements in Construction - Angela Mottaeva

The book consists of original research papers in the field of Technological Advancements in Construction. It covers such topics as non-destructive testing, structural health monitoring, innovative composite materials, strengthening and rehabilitation of buildings and structures, seismic resilience of structures, thermal protection of buildings, construction and operation of buildings and structures in extreme climatic conditions, structural dynamics and vibration control, and green construction. The book contains latest information on structural mechanics of composite materials and structures, theoretical and computational modeling of new materials and structures, experimental and numerical analysis in building rehabilitation and strengthening, analytical, numerical and experimental methodologies for the analysis of multilayered structures, and advanced methods for seismic performance evaluation of building structures. The book includes original research and application papers of high academic level, where significant scientific novelty is clearly demonstrated. The book presents a valuable tool for researchers and construction professionals.

Applied Mechanics and Materials II - Seung Bok Choi 2013-12-19

Collection of selected, peer reviewed papers from the 2013 International Conference on Applied Mechanics and Materials (ICAMM 2013), November 23-24, 2013, Zhuhai, China. Volume is indexed by Thomson Reuters CPCI-S (WoS). The 302 papers are grouped as follows: Chapter 1: Damage and Fracture Mechanics; Chapter 2: Fatigue and Creep; Chapter 3: Dynamics, Vibration and Structural Stability; Chapter 4: Solid Mechanics Theory and Methods and Engineering Application; Chapter 5: Fluid Mechanics and Fluid Engineering; Chapter 6: Computational Mechanics; Chapter 7: Biomechanics and Sports Mechanics; Chapter 8: Research and Design in Mechanical Engineering and Manufacturing; Chapter 9: Geotechnical Engineering; Chapter 10: Structural Engineering; Chapter 11: Hydrology and Hydraulic Engineering; Chapter 12: Construction Materials; Chapter 13: Seismic Engineering; Chapter 14: Architectural Design and Theory; Chapter 15: Composites and Polymers; Chapter 16: Micro / Nano Materials; Chapter 17: Metal and Alloys; Chapter 18: Biomaterials and Biotechnology; Chapter 19: Materials Processing Technology and Chemical Engineering; Chapter 20: Information Technologies and Computational Algorithms; Chapter 21: Engineering Management

A Textbook of Inorganic Chemistry - Volume 1 - Mandeep Dalal 2017-01-01

An advanced-level textbook of inorganic chemistry for the graduate (B.Sc) and postgraduate (M.Sc) students of Indian and foreign universities. This book is a part of four volume series, entitled "A Textbook of Inorganic Chemistry - Volume I, II, III, IV". CONTENTS: Chapter 1. Stereochemistry and Bonding in Main Group Compounds: VSEPR theory, sp - pn bonds, Bent rule and energetic of hybridization. Chapter 2. Metal-Ligand Equilibria in Solution: Stepwise and overall formation constants and their interactions, Trends in stepwise constants, Factors affecting stability of metal complexes with reference to the nature of metal ion and ligand, Chelate effect and its thermodynamic origin, Determination of binary formation constants by pH-metry and spectrophotometry. Chapter 3. Reaction Mechanism of Transition Metal Complexes - I: Inert and labile complexes, Mechanisms for ligand replacement reactions, Formation of complexes from aquo ions, Ligand displacement reactions in octahedral complexes- acid hydrolysis, Base hydrolysis, Racemization of tris chelate complexes, Electrophilic attack on ligands. Chapter 4. Reaction Mechanism of Transition Metal Complexes - II: Mechanism of ligand displacement reactions in square planar complexes, The trans effect, Theories of trans effect, Mechanism of electron transfer reactions - types; Outer sphere electron transfer mechanism and inner sphere electron transfer mechanism, Electron exchange. Chapter 5. Isopoly and Heteropoly Acids and Salts: Isopoly and Heteropoly acids and salts of Mo and W: structures of isopoly and heteropoly anions. Chapter 6. Crystal Structures: Structures of some binary and ternary compounds such as fluorite, antiferite, rutile, antirutile, cristobalite, layer lattices- CdI_2 , BiI_3 ; ReO_3 , Mn_2O_3 , corundum, perovskite, Ilmenite and Calcite. Chapter 7. Metal-Ligand Bonding: Limitation of crystal field theory, Molecular orbital theory, octahedral, tetrahedral or square planar complexes, π -bonding and molecular orbital theory. Chapter 8. Electronic Spectra of Transition Metal Complexes: Spectroscopic ground states, Correlation and spin-orbit coupling in free ions for 1st series of transition metals, Orgel and Tanabe-Sugano diagrams for transition metal complexes ($d1 - d9$ states), Calculation of Dq , B and β parameters, Effect of distortion on the d-orbital energy levels, Structural evidence from electronic spectrum, Jahn-Teller effect, Spectrochemical and nephelauxetic series, Charge transfer spectra, Electronic spectra of molecular addition compounds. Chapter 9. Magnetic Properties of Transition Metal Complexes: Elementary theory of magneto - chemistry, Gouy's method for determination of magnetic susceptibility, Calculation of magnetic moments, Magnetic properties of free ions, Orbital contribution, effect of ligand-field, Application of magneto-chemistry in structure determination, Magnetic exchange coupling and spin state cross over. Chapter 10. Metal Clusters: Structure and bonding in higher boranes, Wade's rules, Carboranes, Metal Carbonyl Clusters - Low Nuclearity Carbonyl Clusters, Total Electron Count (TEC). Chapter 11. Metal- π Complexes: Metal carbonyls, structure and bonding, Vibrational spectra of metal carbonyls for bonding and structure elucidation, Important reactions of metal carbonyls; Preparation, bonding, structure and important reactions of transition metal nitrosyl, dinitrogen and dioxygen complexes; Tertiary phosphine as ligand.

Mick Harte Was Here - Barbara Park 2011-01-26

How could someone like Mick die? He was the kid who freaked out his mom by putting a ceramic eye in a

defrosted chicken, the kid who did a wild dance in front of the whole school--and the kid who, if only he had worn his bicycle helmet, would still be alive today. But now Phoebe Harte's twelve-year-old brother is gone, and Phoebe's world has turned upside down. With her trademark candor and compassion, beloved middle-grade writer Barbara Park tells how Phoebe copes with her painful loss in this story filled with sadness, humor--and hope. Chosen by Publishers Weekly as one of their Best Books of 1996. "A full-fledged and fully convincing drama" (Publishers Weekly).

Inductive Logic Programming - Dimitar Kazakov 2020-06-05

This book constitutes the refereed conference proceedings of the 29th International Conference on Inductive Logic Programming, ILP 2019, held in Plovdiv, Bulgaria, in September 2019. The 11 papers presented were carefully reviewed and selected from numerous submissions. Inductive Logic Programming (ILP) is a subfield of machine learning, which originally relied on logic programming as a uniform representation language for expressing examples, background knowledge and hypotheses. Due to its strong representation formalism, based on first-order logic, ILP provides an excellent means for multi-relational learning and data mining, and more generally for learning from structured data.

HEALTH EDUCATION AND ENVIRONMENTAL STUDIES - Dr. Shobha Pramod Shinde (Bhagat) & Dr.

Deepak Shendkar 2021-05-04

"What is health?" This has not been a simple inquiry to reply. Health isn't seen similar route by all individuals from a local area, including different experts for instance heads and social researchers, leading to disarray about the idea of health. Allow us momentarily to take a gander at the changing idea of health. Generally, health has been seen as "nonattendance of sickness". As such, if an individual was not experiencing any illness, she was viewed as sound. This idea, known as the biomedical idea, depended on the "germ hypothesis of illness", which ruled clinical idea from the finish of the nineteenth century onwards. The clinical calling viewed the human body as a machine and infection as an outcome of the breakdown of the machine, fundamentally achieved by germs. The biomedical idea of health has been viewed as inadmissible as it disregards the job of ecological, social, social and mental determinants of health. This idea of health was discovered lacking to clarify a portion of the serious issues of humankind, like hunger, ongoing sicknesses, drug misuse, psychological instability and so forth Inadequacies in the biomedical idea brought about different ideas of health, similar to the biological and psychosocial ideas.

Business Regulatory Framework (Latest Edition - 2020) - Dr. O.P. Gupta 2020-10-01

Who can buy? Students of BBA, B.Com, and law must buy this book as it is in their syllabus. General students interested in running a business should know the acts given in this book, so it is helpful for them as well. Business Regulatory Framework is specially designed to serve as an undergraduate textbook for B.Com. (Honors & General) students of the different universities across India. This book is designed especially to cater to the needs of commerce students, equipping them with a strong foundation for an understanding of the current business law situation. The book seeks to provide comprehensive coverage of the various topics relating to business law. It offers content that is simple to understand but does not compromise on necessary technical detail.

Geological Survey Water-supply Paper - 1930

Trends in Physical Chemistry - 19??

Chemistry of Natural Products - Sujata V. Bhat 2005-01-04

During the last few decades, research into natural products has advanced tremendously thanks to contributions from the fields of chemistry, life sciences, food science and material sciences. Comparisons of natural products from microorganisms, lower eukaryotes, animals, higher plants and marine organisms are now well documented. This book provides an easy-to-read overview of natural products. It includes twelve chapters covering most of the aspects of natural products chemistry. Each chapter covers general introduction, nomenclature, occurrence, isolation, detection, structure elucidation both by degradation and spectroscopic techniques, biosynthesis, synthesis, biological activity and commercial applications, if any, of the compounds mentioned in each topic. Therefore it will be useful for students, other researchers and industry. The introduction to each chapter is brief and attempts only to supply general knowledge in the

particular field. Furthermore, at the end of each chapter there is a list of recommended books for additional study and a list of relevant questions for practice.

Building Life-cycle Management. Information Systems and Technologies - Alexander Ginzburg 2022-04-09

This book gathers the latest advances, innovations, and applications in the field of information systems and construction engineering, as presented by researchers and engineers at the International Scientific Conference Building Life-cycle Management. Information Systems and Technologies, held in Moscow, Russia on November 26, 2021. It covers highly diverse topics, including Information modeling technologies in building life-cycle management, Mathematical models and methods for building life-cycle management, Management of organizational processes in construction. The contributions, which were selected by means of a rigorous international peer-review process, highlight numerous exciting ideas that will spur novel research directions and foster multidisciplinary collaborations in the construction industry.

Genetics and Biotechnology - Ulrich Kück 2013-03-09

Mycology, the study of fungi, originated as a subdiscipline of botany and was a descriptive discipline, largely neglected as an experimental science until the early years of this century. A seminal paper by Blakeslee in 1904 provided evidence for self incompatibility, termed "heterothallism", and stimulated interest in studies related to the control of sexual reproduction in fungi by mating-type specificities. Soon to follow was the demonstration that sexually reproducing fungi exhibit Mendelian inheritance and that it was possible to conduct formal genetic analysis with fungi. The names Burgeff, Kniep and Lindegren are all associated with this early period of fungal genetics research. These studies and the discovery of penicillin by Fleming, who shared a Nobel Prize in 1945, provided further impetus for experimental research with fungi. Thus began a period of interest in mutation induction and analysis of mutants for bio chemical traits. Such fundamental research, conducted largely with *Neurospora crassa*, led to the one gene: one enzyme hypothesis and to a second Nobel Prize for fungal research awarded to Beadle and Tatum in 1958.

Fundamental research in biochemical genetics was extended to other fungi, especially to *Saccharomyces cerevisiae*, and by the mid-1960s fungal systems were much favored for studies in eukaryotic molecular biology and were soon able to compete with bacterial systems in the molecular arena.

Smart Technologies and Innovations in Design for Control of Technological Processes and Objects: Economy and Production - Denis B. Solovev 2019-04-10

This book presents the Proceedings of The International Science and Technology Conference "FarEastCon-2018," which took place on October 2-4, 2018 in Vladivostok, Russian Federation. The conference provided a platform for accumulating expert opinion on projects and initiatives aimed at the implementation of far-sighted scientific research and development, and allowed current scientific and practical achievements to be shared with wide circle of researchers. Featuring selected papers from the conference, the book is of interest to a broad range of experts involved in developing innovative solutions and organizing events that increase the efficiency of economic and innovative activities.

A Rose for Emily - William Faulkner 1990

William Faulkner [RL 8 IL 7-12] An aristocratic Southern woman hides a macabre secret. Themes: lost love; secret passions. 36 pages. Tale Blazers.

The Tale of the Four Durwesh - Amīr Khusraw Dihlavī 1845

Proceedings of the third International Conference on Automotive and Fuel Technology - 2004

Physics for Degree Students for B.Sc. 3rd Year - Arora C.L. & Hemne P.S. 2014

Section I Relativity Section Ii Quantum Mechanics Section Iii Atomic Physics Section Iv Molecular Physics Section V Nuclear Physics Section Vi Solid State Physics Section Vii Solid State Devices Section Viii Electronics Index

Global View of Engineering Geology and the Environment - Wu Faquan 2013-08-16

Global View of Engineering Geology and the Environment contains selected papers from the International Symposium and 9th Asian Regional Conference of the International Association for Engineering Geology and the Environment (IAEG, Beijing, China, 24-25 September 2013). The book focusses on six topics:- Crustal stability and dynamical geo-hazards;-