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Advances in Environmental Pollution Management: Wastewater Impacts and Treatment Technologies has been designed to bind novel knowledge of wastewater pollution-induced impacts on various aspects of our environment. The book also contains novel methods and tools for the monitoring and treatment of produced wastewater.

This book has been prepared keeping in mind rapid changes taking place in the land-locked economy of Nepal seated in the lap of Great Himalaya where tourism is expected to contribute in a big way. Salient Features - Analyzes economic impact of tourism growth on various aspects of the Nepalese economy. - Explores the role of tourism on globalization of this backward economy. - Attempts to incorporate important studies undertaken in this context. - Incorporates opinions of leading experts on tourism promotion and economic development exclusively for this book. - Thoroughly reviews contours of changes in tourism policy. - Well documented in terms of source of tourism information, institutions and chronological highlights, etc. In view of the above, this piece of work would be of immense use to policy makers, planners, researchers, practioners and also to students for whom sufficient materials have been added.

Covers chemistry, physics, engineering, and therapeutic aspects of packaging—universal to pharmaceutical,

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medical, and food applications This book covers the chemistry, physics, materials science, engineering, and therapeutic aspects of many different types of packaging materials, emphasizing throughout the applicability of various aspects of packaging science and technology. It also provides a simultaneous discussion of interrelated fields, and addresses the universal issues within these fields' application areas. Intended as a technical reference and as a study aid, it is relevant to anyone who studies or uses packaging or packaging materials.

Packaging Technology and Engineering:

Pharmaceutical, Medical and Food Applications begins with an overview of the history of the topic. It then offers chapters on the methods of obtaining raw materials, the chemistry of polymeric and non-polymeric packaging materials, physico-chemical quality parameters, and the manufacturing of packaging. Other topics look at: additives, use, suppliers, safety and environmental concerns, regulation, anti-fraud activities, new trends, and the future of packaging technology. The book also features numerous problems and worked solutions to aid student comprehension. Covers packaging and packaging materials, their properties and technologies Addresses the chemical engineering, physics, and chemistry of packaging materials, and the individual requirements for food, pharmaceutical, and medical device packaging Includes current issues such as environmental concerns and sustainability, recycling and after-use, anti-counterfeiting technology, and packaging regulations and guidelines Packaging Technology and Engineering: Pharmaceutical, Medical and Food

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Applications will appeal to all packaging technologists, scientists, and engineers in industry, and in regulatory agencies. It is also an excellent book for advanced students studying packaging courses, within pharmacy, pharmaceutical sciences, chemical sciences, biomedical sciences, medical sciences, engineering, product design and technology, and food science/technology.

The main advantages of solar energy are inexhaustibility and wide accessibility, as well as the relative environmental friendliness of its transformation into other forms of energy. The widespread use of solar energy requires the creation of functionally complete systems which convert solar energy into an element of a given technological process. The collection "Engineering of Solar Energy Systems" consists of papers published by Trans Tech Publications Inc. from 2010 to 2014 inclusive and covers a wide range of advanced achievements in the field of creating and designing systems for technological use of solar energy. The compiled scientific papers are presented in eight chapters: Chapter 1: Solar Systems for Heating, Cooling and Ventilation Chapter 2: Solar Energy in Environmental Treatment and Water Desalination Chapter 3: Solar Hydrogen Production Chapter 4: Systems for Electricity Supply Based on Solar Energy Chapter 5: Design of Components and Equipment for Solar Systems Chapter 6: Mechatronics, Control and Automation in Solar Energetics Chapter 7: Integration of Solar Technologies in the Architecture of Buildings Chapter 8: Engineering Management in Solar Energetics, which cover many aspects of scientific and engineering activities.

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Diary of a Teenage Superhero is a non-stop action adventure novel for young adults. The book's hero, Axel, is a teenager who has had his memory taken away from him - but received superpowers in return. While staying one step ahead of his pursuers, Axel begins to assemble the pieces of his life. An organization known only as The Agency has also modified other teenagers. Brodie is a master of the martial arts. Ebony can transmute one substance into another. Dan controls metals with his mind. Chad creates fire and ice from nothing. They have been handed incredible powers to help the human race in times of crisis - and one of those times is now. A terrorist organization known as Typhoid has acquired Pegasus - a highly advanced missile, invisible to radar and conventional defense systems. They intend to fire it at an American city. Only this bunch of untried, untested teenage superheroes stands any chance of stopping the missile before it strikes its target. Diary of a Teenage Superhero is a high octane thriller showing what happens when conventional teenagers with everyday problems are given powers beyond this world.

In This Book A Well-Known Historian Offers A Critical Study Of A New Aspect Of Modern Indian History: The Gradual Introduction Of English Law Into India From The Advent Of The East India Company Till The Culmination Of The Period Of Codification In The Closing Years Of The Nineteenth Century. Special Stress Has Been Laid On The Impact Of English Law On Administration, Economy, Society And Constitutional Development. New Light Has Been Thrown Not Only On The Development Of Legal, Judicial And Constitutional Systems But Also

On The Complex Historical Process Of The Emergence Of Modern India.

A unique survey of each country in the region. It includes an extensive collection of facts, statistics, analysis and directory information in one accessible volume.

As the global population grows and many developing countries modernize, the importance of water supply and wastewater treatment becomes a much greater factor in the welfare of nations. Clearly, in today's world the competition for water resources coupled with the unfortunate commingling of wastewater discharges with freshwater supplies creates additional pressure on treatment systems. Recently, researchers focus on wastewater treatment by difference methods with minimal cost and maximum efficiency. This volume of the Wastewater Engineering: Advanced Wastewater Treatment Systems is a selection of topics related to physical-chemical and biological processes with an emphasis on their industrial applications. It gives an overview of various aspects in wastewater treatments methods including topics such as biological, bioremediation, electrochemical, membrane and physical-chemical applications. Experts in the area of environmental sciences from diverse institutions worldwide have contributed to this book, which should prove to be useful to students, teachers, and researchers in the disciplines of wastewater engineering, chemical engineering, environmental engineering, and biotechnology. We gratefully acknowledge the cooperation and support of all the contributing authors.

The book is a collection of high-quality, peer-reviewed innovative research papers from the International Conference on Signals, Machines and Automation (SIGMA 2018) held at Netaji Subhas Institute of Technology (NSIT), Delhi, India. The conference offered researchers from academic and

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industry the opportunity to present their original work and exchange ideas, information, techniques and applications in the field of computational intelligence, artificial intelligence and machine intelligence. The book is divided into two volumes discussing a wide variety of industrial, engineering and scientific applications of the emerging techniques. Covers hundreds of international organizations; offers historical, governmental, and economic data on countries and territories; and provides names and addresses of political, religious, financial, and tourist figures and institutions. Provides detailed country surveys containing the analytical, statistical and directory data available for over 250 countries and territories. This work contains a comprehensive listing of some 1,900 International Organizations such as the United Nations, European Union, the International Organization for Migration and the World Trade Organization. Identifies specific print and broadcast sources of news and advertising for trade, business, labor, and professionals. Arrangement is geographic with a thumbnail description of each local market. Indexes are classified (by format and subject matter) and alphabetical (by name and keyword).

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 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 Chemistry. The present book has been divided into 14 Chapters namely Structure of Atom, States of Matter, Thermodynamics, Equilibrium, Redox Reactions, Hydrogen, Hydrocarbons, Environmental Chemistry, Chemical Bonding & Molecular Structure, The s-Block Elements, The p-Block Elements, etc covering the syllabi of Chemistry for Class XI. 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 Chemistry 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 Chemistry 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. 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

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NCERT Textbook of Chemistry for Class XI and contains simplified text material 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 Chemistry.

Engineering Physics Krishna Prakashan

Media Engineering Mathematics: Vol II; B.Sc.

(Engg.), B.E., B.Tech., and other equivalent

professional exams of all Engg. Colleges and Indian

Universities Krishna Prakashan Media Spoken

English Digest Prabhat Prakashan

This book comprises selected proceedings of the

International Conference on Recent Advancements in Civil Engineering and Infrastructural

Developments (ICRACEID 2019). The contents are

broadly divided into five areas (i) smart

transportation with urban planning, (ii) clean energy

and environment, (iii) water distribution and waste

management, (iv) smart materials and structures,

and (v) disaster management. The book aims to

provide solutions to global challenges using

innovative and emerging technologies covering

various fields of civil engineering. The major topics

covered include urban planning, transportation,

water distribution, waste management, disaster

management, environmental pollution and control,

environmental impact assessment, application of

GIS and remote sensing, and structural analysis and

design. Given the range of topics discussed, the

book will be beneficial for students, researchers as well industry professionals.

This is a comprehensive, problem-solving engineering guide on the strategic planning, development, and maintenance of public and private transportation systems. Covering all modes of transportation on land, air, and water, the Handbook shows how to solve specific problems, such as facility improvement, cost reduction, or operations optimization at local, regional, national, and international levels. * Extensive sections on road construction and maintenance, bridge construction and repair, and mass transit systems * Examines airline traffic control systems, airline schedule planning, and airline ground operation * Covers marine, rail, and freight transportation

Primarily intended for the undergraduate students of mathematics, physics and engineering, this text gives in-depth coverage of differential equations and the methods for solving them. The book begins with the definitions, the physical and geometric origins of differential equations, and the methods for solving the first order differential equations. Then it goes on to give the applications of these equations to such areas as biology, medical sciences, electrical engineering and economics. The text also discusses, systematically and logically, higher order differential equations and their applications to telecommunications, civil engineering, cardiology and detection of diabetes, as also the methods of solving simultaneous differential equations and their applications. Besides, the book provides a detailed discussion on Laplace transforms and their applications,

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partial differential equations and their applications to vibration of stretched string, heat flow, transmission lines, etc., and calculus of variations and its applications. The book, which is a happy fusion of theory and application, would also be useful to postgraduate students. NEW TO THIS EDITION • New sections on: (a) Equations reducible to linear partial differential equations (b) General method for solving the second order non-linear partial differential equations (Monge's Method) (c) Lagrange's equations of motion • Number of solved examples in Chapters 5, 7, 8, 9 and 10.

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