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Water Supply And Sanitary Engineering - S. C. Rangwala 2005

The book in its present form introduces detailed descriptions and illustrative solved problems in the fields of Water Supply, Sanitary and Environmental Engineering. The entire subject matter has been split up in three parts: Part I Water Supply Engineering Part II Sanitary Engineering Part III Environmental Engineering. The first part deals with Water Supply Engineering which is related to demand of water for various purposes in human life, sources of water supply, quantity and quality of water, treatment and distribution of water, etc. The second part deals with Sanitary Engineering which is related to quality and quantity of sewage, construction and design of sewers, methods of treatment of sewage, etc. The third part discusses various aspects of Environmental Engineering including air pollution, noise pollution, etc. A typical design of a domestic sewage treatment plant is given in the Appendix as an additional attraction. The book now contains: * 253 * 140 * 60 * 610 Self-explanatory and neat diagrams Illustrative problems Useful tables Questions at the end of chapters. It is hoped that the book in its present form will be extremely useful to the Engineering students preparing for the Degree Examinations in Civil Engineering of all the Indian Universities, Diploma Examinations conducted by various Boards of Technical Education, Certificate Courses as well as for A.M.I.E., U.P.S.C., other similar Competitive and Professional Examinations.

Indian Books in Print - 2003

Solid Waste Engineering and Management - Lawrence K. Wang 2022-01-01

This book is the first volume in a three-volume set on Solid Waste Engineering and Management. It provides an introduction to the topic, and focuses on legislation, transportation, transfer station, characterization, mechanical volume reduction, measurement, combustion, incineration, composting, landfilling, and systems planning as it pertains to solid waste management. The three volumes comprehensively discuss various contemporary issues associated with solid waste pollution management, impacts on the environment and vulnerable human populations, and solutions to these problems.

Wastewater Engineering - METCALF & EDDY, Inc 1972

Development and trends in wastewater engineering;determination of sewage flowrates;hydraulics of sewers;design of sewers;sewer appurtenancesand special structures;pump and pumping stations;wastewater characteristics;physical unit operations;chemical unit processes;design of facilities for physical and chemical treatment of wastewater;design of facilities for biological treatment of wastewater;design of

facilities fortreatment and disposal of sludge;advanced wastewater treatment;water-pollution control and effluent disposal;wastewater treatment studies.

Advances in Electromechanical Technologies - V. C. Pandey 2020-09-24

This book comprises select peer-reviewed papers from the International Conference on Emerging Trends in Electromechanical Technologies & Management (TEMT) 2019. The focus is on current research in interdisciplinary areas of mechanical, electrical, electronics and information technologies, and their management from design to market. The book covers a wide range of topics such as computer integrated manufacturing, additive manufacturing, materials science and engineering, simulation and modelling, finite element analysis, operations and supply chain management, decision sciences, business analytics, project management, and sustainable freight transportation. The book will be of interest to researchers and practitioners of various disciplines, in particular mechanical and industrial engineering.

Omics for Environmental Engineering and Microbiology Systems - Vineet Kumar 2022-11-07

Bioremediation using microbes is a sustainable technology for biodegradation of target compounds, and an omics approach gives more clarity on these microbial communities. This book provides insights into the complex behavior of microbial communities and identifies enzymes/metabolites and their degradation pathways. It describes the application of microbes and their derivatives for the bioremediation of potentially toxic and novel compounds. It highlights the existing technologies along with industrial practices and real-life case studies. Features: Includes recent research and development in the areas of omics and microbial bioremediation. Covers the broad environmental pollution control approaches such as metagenomics, metabolomics, fluxomics, bioremediation, and biodegradation of industrial wastes. Reviews metagenomics and waste management, and recycling for environmental cleanup. Describes the metagenomic methodologies and best practices, from sample collection to data analysis for taxonomies. Explores various microbial degradation pathways and detoxification mechanisms for organic and inorganic contaminants of wastewater with their gene expression. This book is aimed at graduate students and researchers in environmental engineering, soil remediation, hazardous waste management, environmental modeling, and wastewater treatment.

Engineering Hydrology - K. Subramanya 1994

Water Resources Engineering - Larry W. Mays 2010-06-08

Environmental engineers continue to rely on the leading resource in the field on the principles and practice of water resources engineering. The second edition now provides them with the most up-to-date information along with a remarkable range and depth of coverage. Two new chapters have been added that explore water resources sustainability and water resources management for sustainability. New and updated graphics have also been integrated throughout the chapters to reinforce important concepts. Additional end-of-chapter questions have been added as well to build understanding. Environmental engineers will refer to this text throughout their careers.

Practical Railway Engineering - Clifford F. Bonnett 2005

This textbook covers the very wide spectrum of all aspects of railway engineering for all engineering disciplines, in a 'broad brush' way giving a good overall knowledge of what is involved in planning, designing, constructing and maintaining a railway. It covers all types of railway systems including light rail and metro as well as main line. The first edition has proved very popular both with students new to railways and with practicing engineers who need to work in this newly expanding area.In the second edition, the illustrations have been improved and brought up to date, particularly with the

introduction of 30 colour pages which include many newly taken photographs. The text has been reviewed for present day accuracy and, where necessary, has been modified or expanded to include reference to recent trends or developments. New topics include automatic train control, level crossings, dot matrix indicators, measures for the mobility impaired, reinforced earth structures, air conditioning, etc. Recent railway experience, both technical and political, has also been reflected in the commentary.

Airport Design and Operation - Antonin Kazda 2015-08-05

In this third edition the chapters have been enhanced to reflect changes in technology and the way the air transport industry runs. Key topics that are newly addressed include low cost airline operations, security issues and EASA regulations on airports. A new chapter covering extended details about wildlife control has been added to the volume.

Wake Up, Life is Calling - Preeti Shenoy, 2019-04-17

What if your mind is your greatest enemy? What if you were living your worst nightmare? How would you cope? Ankita has fought a mental disorder, been through hell, and survived two suicide attempts. Now in Mumbai, surrounded by her loving and supportive parents, everything seems idyllic. She is not on medication. She is in a college she loves, studying her dream subject: Creative Writing. She has made friends with the bubbly Parul and the glamourous Janki. At last leading a 'normal life', she immerses herself in every bit of it – the classes, her friends, her course and all the carefree fun of college. Underneath the surface, however, there is trouble brewing. A book she discovers in her college library draws her in, consumes her and sends her into a terrifying darkness that twists and tears her apart. To make matters worse, a past boyfriend resurfaces, throwing her into further turmoil. Armed with only a pen and a journal, she desperately fights with every ounce of strength she has. But can she escape her thoughts? Will Ankita survive the ordeal a second time around? What does life have in store for her? Preeti Shenoy's compelling sequel to the iconic bestseller Life is What You Make It chronicles the resilience of the human mind and the immense power of positive thinking. The gripping narrative demonstrates with gentle wisdom how by changing our thoughts, we can change our life itself.

Water, Sanitary and Waste Services for Buildings - A.F.E. Wise 2012-05-23

Water, sanitary and waste services represent a substantial proportion of the cost of construction, averaging 10% of the capital costs of building and with continuing costs in operation and maintenance. Nevertheless, they are often regarded as a 'Cinderella' within the building process. Parts of many different codes and regulations impact on these services, making an overall viewpoint more difficult to get. This new edition of this classic text draws together material from a variety of sources to provide the comprehensive coverage not available elsewhere. It is a resource for the sound design, operation and maintenance of these services and should be on the bookshelf of every building services engineer and architect.

Comprehensive Workshop Technology (Manufacturing Processes) - S. K. Garg 2009

Waste Water Engineering - Dr. B.C. Punmia 1998

Irrigation and Water Power Engineering - B. C. Punmia 2009-05

Basic Environmental Engineering and Elementary Biology (WBUT) - G.K. Dasmohapatra

The book 'Basic Environmental Engineering and Elementary Biology' has been written for the engineering students. It starts with basic concepts of ecology and concerns on environment. It then discusses how the spiraling rate of population growth and the requirements of human beings have led to large-scale deforestation, depletion of the

ozone layer, creation of greenhouse effect, acid rain, smog and environmental pollution. The book equips students to manage environment-related issues by showing how technology can be used to control these problems. This well thought-out book on one of the most talked about issues today, can serve as a ground for future environmentalists. It can also be a highly useful reference work for those interested in working towards a better and cleaner environment. Fundamental aspects of environment principles have been explained in great detail, which can be used to manage environment and restore nature's balance.

Workshop Technology (Manufacturing Process) - S. K. Garg 2009-05-01

This textbook includes exposure to plant & shop layout, industrial safety, engineering materials and their heat treatment, bench work and fitting, smithy and forging, sheet metal work, wood and wood working, foundry, welding, mechanical working and machine shop practices. A greater stress has been laid on pictorial representation of various hand tools, operators and machine tools rather than giving exhaustive write up on various topics. The matter has been presented in a structured manner and in an easy to understand language, which can be mastered easily by students of various disciplines. Attention has also been paid to the fact that the text as well as the diagrams can be easily reproduced by the students in theory examinations.The book will be useful for the students of engineering, supervisors, tool room personnel and operators working in manufacturing and other industries.

Environmental Engineering - Howard S. Peavy 1985

Irrigation Engineering And Hydraulic Structures - Santosh Kumar Garg 2009

Integrated Solid Waste Management: Engineering Principles and Management Issues - George Tchobanoglous 1993

A junior/senior-level introductory text aimed at civil and environmental engineers taking a basic introduction to Solid Waste Management. The text includes the latest 1990-1991 laws and regulations.

Basic Civil Engineering - Dr. B.C. Punmia 2003-05

Introduction to Geotechnical Engineering - Braja M. Das 2015-01-01

Written in a concise, easy-to understand manner, INTRODUCTION TO GEOTECHNICAL ENGINEERING, 2e, presents intensive research and observation in the field and lab that have improved the science of foundation design. Now providing both U.S. and SI units, this non-calculus-based text is designed for courses in civil engineering technology programs where soil mechanics and foundation engineering are combined into one course. It is also a useful reference tool for civil engineering practitioners. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Water Engineering - Nazih K. Shammas 2015-05-26

Details the design and process of water supply systems, tracing the progression from source to sink Organized and logical flow, tracing the connections in the water-supply system from the water's source to its eventual use Emphasized coverage of water supply infrastructure and the design of water treatment processes Inclusion of fundamentals and practical examples so as to connect theory with the realities of design Provision of useful reference for practicing engineers who require a more in-depth coverage, higher level students studying drinking water systems as well as students in preparation for the FE/PE examinations Inclusion of examples and homework questions in both SI and US units

Environmental Engineering - Arcadio Pacquiao Sincero 1996

This work provides a thorough treatment of environmental engineering. It encompasses environmental chemistry; biology; hydraulics, and pneumatics; water treatment; wastewater

treatment, both conventional and advanced; solid waste management; air pollution control; hazardous waste management and risk assessment; noise pollution and control; and environmental quality modelling. The authors provide clear coverage while approaching the subject matter in a direct analytical manner. The text makes use of many practical, hands-on examples throughout to demonstrate the applied nature of the field. This text combines comprehensive and authoritative coverage with current applications.

WASTEWATER TREATMENT - G. L. KARIA 2013-04-02

This thoroughly revised Second Edition presents a comprehensive account of the principles of operation and design of wastewater treatment plants. Beginning with the basic concepts of treatment of wastewater and the design considerations required of an efficient treatment plant, the book moves on to spotlight the design criteria for domestic wastewater treatment units. In essence, the text gives the detailed procedures for design computations of all units of a wastewater treatment plant. It also describes the most common types of reactors used for physical operations and biological processes in wastewater treatment plants. Besides additional examples and exercises, this edition also includes a new chapter on "Disinfection of Wastewater". The book is intended for the undergraduate students of Civil and Environmental Engineering. It will also be useful to the practising professionals involved in the design of wastewater treatment plants. Key Features • Provides several examples supported by graphs and sketches to highlight the various design concepts of wastewater treatment units. • Encapsulates significant theoretical and computational information, and useful design hints in Note and Tip boxes. • Includes well-graded practice exercises to help students develop the skills in designing treatment plants.

Emerging Trends in Engineering, Science and Technology for Society, Energy and Environment - Rajesh Vanchipura 2018-08-06

The International Conference on Emerging Trends in Engineering, Science and Technology (ICETEST) was held at the Government Engineering College, Thrissur, Kerala, India, from 18th to 20th January 2018, with the theme, "Society, Energy and Environment", covering related topics in the areas of Civil Engineering, Mechanical Engineering, Electrical Engineering, Chemical Engineering, Electronics & Communication Engineering, Computer Science and Architecture. Conflict between energy and environment has been of global significance in recent years. Academic research needs to support the industry and society through socially and environmentally sustainable outcomes. ICETEST 2018 was organized with this specific objective. The conference provided a platform for researchers from different domains, to discuss and disseminate their findings. Outstanding speakers, faculties, and scholars from different parts of the world presented their research outcomes in modern technologies using sustainable technologies.

Applied Mechanics Reviews - 1995

Water Supply Engineering - Dr. B.C. Punmia 1995

Soil-Water Engineering Field and Laboratory Manual - T.J. Trout 2012-08-08

The manual has been written based on a series supplied to participants in a workshop titled "Diagnostic Analysis of Farm Irrigation System". The main purpose of this manual is to provide the student with basic measurement procedures, suitable for the laboratory and field, for conducting field studies of farm irrigation systems. This manual should be used as a reference for correct laboratory and field measurement procedures. It can be used as a valuable reference by the personnel conducting actual field studies of irrigation systems. The equipments list for each exercise are for determining equipment needs for planning the field study or a workshop. The analysis and

discussion suggestions are appropriate for the data collected during the study. It is hoped that the manual will serve as a useful guide for the field as well as laboratory. It can be used as a general reference manual by all researchers involved in field and workshop.

FUNDAMENTALS OF SURVEYING - S.K. ROY 2010-10-11

Primarily aimed to be an introductory text for the first course in surveying for civil, architecture and mining engineering students, this book, now in its second edition, is also suitable for various professional courses in surveying. Written in a simple and lucid language, this book at the outset, presents a thorough introduction to the subject. Different measurement errors with their types and nature are described along with measurement of horizontal distances and electronic distances measurements. This text covers in detail the topics in levelling, angles and directions and compass survey. The functions and uses of different instruments, such as theodolites, tacheometers and stadia rods are also covered in the text. Besides, the book elaborates different fields of surveying, such as plane table surveying, topographical surveying, construction surveying and underground surveys. Finally, the book includes a chapter on computer applications in surveying. KEY FEATURES : Includes about 400 figures to explain the fundamentals of surveying. Uses SI units throughout the book. Offers more than 170 fully-solved examples including the questions generated from premier universities. Provides a large number of problems and answers at the end of each chapter. Incorporates objective questions from AMIE exams and Indian Engineering Services exams.

Wastewater Characteristics, Treatment and Disposal - Marcos Von Sperling 2007-03-30

Wastewater Characteristics, Treatment and Disposal is the first volume in the series Biological Wastewater Treatment, presenting an integrated view of water quality and wastewater treatment. The book covers the following topics: wastewater characteristics (flow and major constituents) impact of wastewater discharges to rivers and lakes overview of wastewater treatment systems complementary items in planning studies. This book, with its clear and practical approach, lays the foundations for the topics that are analysed in more detail in the other books of the series. About the series: The series is based on a highly acclaimed set of best selling textbooks. This international version is comprised by six textbooks giving a state-of-the-art presentation of the science and technology of biological wastewater treatment. Other titles in the series are: Volume 2: Basic Principles of Wastewater Treatment; Volume 3: Waste Stabilisation Ponds; Volume 4: Anaerobic Reactors; Volume 5: Activated Sludge and Aerobic Biofilm Reactors; Volume 6: Sludge Treatment and Disposal

Basic Environmental Engineering - R. C. Gaur 2008

Irrigation and Water Resources Engineering - G. L. Asawa 2006

The Book Irrigation And Water Resources Engineering Deals With The Fundamental And General Aspects Of Irrigation And Water Resources Engineering And Includes Recent Developments In Hydraulic Engineering Related To Irrigation And Water Resources Engineering. Significant Inclusions In The Book Are A Chapter On Management (Including Operation, Maintenance, And Evaluation) Of Canal Irrigation In India, Detailed Environmental Aspects For Water Resource Projects, A Note On Interlinking Of Rivers In India, And Design Problems Of Hydraulic Structures Such As Guide Bunds, Settling Basins Etc.The First Chapter Of The Book Introduces Irrigation And Deals With The Need, Development And Environmental Aspects Of Irrigation In India. The Second Chapter On Hydrology Deals With Different Aspects Of Surface Water Resource. Soil-Water Relationships Have Been Dealt With In Chapter 3. Aspects Related To Ground Water Resource Have Been Discussed In Chapter 4. Canal Irrigation And Its Management Aspects Form The

Subject Matter Of Chapters 5 And 6. Behaviour Of Alluvial Channels And Design Of Stable Channels Have Been Included In Chapters 7 And 8, Respectively. Concepts Of Surface And Subsurface Flows, As Applicable To Hydraulic Structures, Have Been Introduced In Chapter 9. Different Types Of Canal Structures Have Been Discussed In Chapters 10, 11, And 13. Chapter 12 Has Been Devoted To Rivers And River Training Methods. After Introducing Planning Aspects Of Water Resource Projects In Chapter 14, Embankment Dams, Gravity Dams And Spillways Have Been Dealt With, Respectively, In Chapters 15, 16 And 17.The Students Would Find Solved Examples (Including Design Problems) In The Text, And Unsolved Exercises And The List Of References Given At The End Of Each Chapter Useful.

Face To Face CAT 27 years Sectionwise & Topicwise solved paper 2020 - BS Sijwalii 2020-02-10

Common Aptitude Test or propularly known as CAT is dream and most popular exam amongst students who wants to persue career in management. But as common its name is, it is the toughest exam in India and needs thorough concept clarity and immense practice. CAT, today is doorway to some of the best B-Schools in India and hence thousands of students appear every year for the examination. The current edition of “Face To Face CAT” has been carefully and consciously revised to reinforce the conceptual clarity in the aspirants by providing the Sectionwise and Topicwise previous 27 Years’ (1993-2019) Questions along with the detailed solutions. The book is basically divided into 3 sections; Quantitative Aptitude, Data Interpretation and Logical Reasoning, and Verbal Ability and Reading Comprehension, which is exactly according to the paper pattern giving the complete coverage of the entire syllabus. 3 Previous Years’ Questions Papers [2019 -2017] are being provided right in the beginning of the book that gives the insight of the pattern of the examination which help candidates to prepare accordingly. Moreover 3 Practice Papers are also attached at the end of the book for thorough practice which also helps to track the self progress. With such voluminous set of questions that too in sectionwise and topicwise manner, it offers a robust tool to attune aspirants with constant self-evaluation to move on the way for success in this exam. TABLE OF CONTENTS Introduction: CAT (About the Exam & How to Succeed in it?), CAT Solved Paper 2019, CAT Solved Paper 2018, CAT Solved Paper 2017, SECTION-I: Quantitative Aptitude, SECTION-II: Data Interpretation and Logical Reasoning, SECTION-III: Verbal Ability and Reading Comprehension, Practice Sets (1-3).

CliffsAP Economics Micro & Macro - Ronald Pirayoff 2007-05-03

CliffsAP study guides help you gain an edge on Advanced Placement* exams. Review exercises, realistic practice exams, and effective test-taking strategies are the key to calmer nerves and higher AP* scores. CliffsAP Economics Micro & Macro is for students who are enrolled in AP Economics or who are preparing for the Advanced Placement Examination in Economics to earn college credit and/or placement into advanced coursework at the college level. Inside, you’ll find test-taking strategies, a clear explanation of the exam format, a look at how exams are graded, and more: A topic-by-topic look at what’s on the exam Reviews of both micro- and macroeconomics A checklist of the materials you’ll need on test day Four full-length practice tests Sample questions (and answers!) and practice tests reinforce what you’ve learned in areas such as product and factor markets, supply and demand, and price elasticity. CliffsAP Economics Mirco & Macro also includes information on the following: Gross Domestic Product Aggregate supply and demand Fiscal policies Production costs Profit maximizations The government’s role International economics This comprehensive guide offers a thorough review of key concepts and detailed answer explanations. It’s all you need to do your best — and get the college credits you deserve.

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A Textbook of Strength of Materials - R. K. Bansal 2010

Green Technology for Bioremediation of Environmental Pollution - Jatindra Nath Bhakta 2018-12

Green Technology for Bioremediation of Environmental Pollution has significant importance in its fields, since it comprises the current information of basic concepts and various advanced research aspects of bioremediation related green technologies for controlling environmental pollution. In order to combat the severe environmental problems, a comprehensive treatise on bioremediation dealing with updated relevant novel green technologies is, thus, in great demand for application in a practical field. Keeping this in mind, the idea of the present book has been conceived by the editors. This issue focuses particularly on the recently developed environmental friendly novel green technology that detoxifies and decontaminates the pollutants in different domains of the environment using the potential biological agents. The book covered the following topics: A modern applied concept of the green bioremediation process, genomics, metagenomics and proteomics in green bioremediation, advanced biochemical and molecular approaches of pollutant detoxification, ecological engineering in bioremediation, microbial remediation, bioleaching, various phytoremediation approaches, novel remediation technologies of various hazardous pollutants, etc. The salient features of this book include: (i) Peer revision of each chapter by expert scientists; (ii) the basic applied concepts of bioremediation; (iii) in-depth updated concepts and research findings; (iv) relevant graphical and pictorial illustrations for understanding the text; (v) bioremediation of several emerging and hazardous pollutants; and (vi) a vivid description of bioremediation characteristics of various biological agents. Therefore, the book will be of considerable use to the environmental engineers, researchers, scientists, professionals, teachers and students working in the fields of environmental science, pollution bioremediation, environmental engineering, environmental management, environmental microbiology, environmental biotechnology and biochemistry, life sciences, proteomics, genomics and metagenomics, toxicity, waste treatment industries, etc.

Water Resources and Environmental Engineering II - Maheswaran Rathinasamy 2018-09-26

The second volume of this book is a compilation of the high-quality papers from the International Conference on Emerging Trends in Water Resources and Environmental Engineering (ETWREE 2017). Written by researchers and academicians from prestigious institutes across India, the contributions present various scenarios and discuss the challenges of climate change and its impact on the environment, water resources and industrial and socio-economic developments. The book is a valuable resource for scientists, faculties, policymakers, and stakeholders working in the field of climate and environment management to address the current global environmental challenges.

Air Pollution - Bhola R. Gurjar 2010-06-22

Air pollution is recognized as one of the leading contributors to the global environmental burden of disease, even in countries with relatively low concentrations of air pollution. Air Pollution: Health and Environmental Impacts examines the effect of this complex problem on human health and the environment in different settings around the world. I

Basic Principles of Wastewater Treatment - Marcos Von Sperling 2007-03-30

Basic Principles of Wastewater Treatment is the second volume in the series Biological Wastewater Treatment, and focusses on the unit operations and processes associated with biological wastewater

treatment. The major topics covered are: microbiology and ecology of wastewater treatment reaction kinetics and reactor hydraulics conversion of organic and inorganic matter sedimentation aeration The theory presented in this volume forms the basis upon which the other books of the series are built. About the series: The series is based on a highly acclaimed set of best selling textbooks. This international version is comprised by six textbooks giving a state-of-the-art presentation of the science and technology of biological wastewater treatment. Other titles in the series are: Volume 1: Wastewater Characteristics, Treatment and Disposal; Volume 3: Waste Stabilisation Ponds; Volume 4: Anaerobic Reactors; Volume 5: Activated Sludge and Aerobic Biofilm Reactors; Volume 6: Sludge Treatment and Disposal