

Irrigation Engineering Books By B C Punmia

This book equips the students with the basic knowledge of certain facets of Civil Engineering and Engineering Mechanics as needed by them in the beginning of their engineering education. The book is primarily tailored to conform to the first-year B.Tech syllabus of Visvesvaraya Technological University (VTU). It will be useful for the students in other universities too. The first part of the book discusses the fundamentals of civil engineering and the characteristics of some civil structures, such as buildings, roads, bridges, and dams. The second part deals with the topics of engineering mechanics that help in finding the solutions to problems of engineering. It deals with the systems of forces to which rigid bodies are subjected, centroids of plane figures, moment of inertia of some important geometrical figures, and the laws of friction. Worked-out examples, practice problems, and objective-type questions in each chapter are designed to reinforce the learning of the subject matter.

This E-Book of 'RRB-JE, Stage-2 Exam' for "Civil Engineering" is designed with Practice Questions from Technical Subjects, such as, Engineering Mechanics, Mechanics of Structures, Building Materials and Construction Technology, Theory of Structures, Design of Concrete Structures, Design of Steel Structures, Construction Management, Estimating & Costing, Hydraulics, Irrigation Engineering, Geotechnical Engineering, Surveying, Transportation and Bridge Engineering, Environment Engineering and CAD; and Question from Non-technical Subjects, like, General Awareness, Physics, Chemistry, Basics of Computers, and Basics of Environment & Pollution Control. Composition of this Book is quite different from the routine books available in market. It consist more calculative, qualitative and error-free content according to new pattern of the Exam.

The First Edition of this treatise on Irrigation Engineering duly subsidised by national Book trust, Government of India, published in 1984. was highly acclaimed by the engineering teachers and taughts and its revised edition appeared in 1990. The dynamism inherent in the subject necessitated drastic changes in the text, prompted by theoverwhelming response of irrigation and agriculture engineering students and practising engineers in the country and abroad duly patronised by the publications, Shri Ravindra Kumar Gupta, Managing

Director, S. Chand & Company Ltd., New Delhi

2022-23 SSC JE Civil Engineering

A General Reference Work on Surveying, Railroad Engineering, Structural Engineering, Roofs and Bridges, Masonry and Reinforced Concrete, Highway Construction, Hydraulic Engineering, Irrigation, River and Harbor Improvement, Municipal Engineering, Cost Analysis, Etc Civil Engineering Previous Years' Papers Of Similar Exams Bulletin

Spon's Civil Engineering and Highway Works Price Book 2014

SGN. The Book DSSSB-Delhi Assistant Engineer (Civil) Exam: Civil Engineering Subject Covers Civil Engineering Subject Objective Questions Asked In Similar Exams Answers For All Questions

Market_Desc: For the undergraduate students of civil engineering at major Indian universities and engineering colleges. The text is also useful to the experts and professionals in the field of irrigation and agriculture. Special Features: . Presents neatly-drawn drawings of dams, spillways, canals and cross-drainage works, not provided with any other book. . Explains all aspects of soil moisture, irrigation systems, tanks, dams and canal river systems, water rights and environmental aspects. . Discusses live case studies of major dams (the Tehri Dam, the Almatti Dam) for easy understanding of some important concepts. . Explains all topics with solved examples and neatly-drawn sketches. . Uses the SI units throughout the book. . Supplies chapter-end problems and objective questions for self assessments. About The Book: Irrigation Engineering is designed for the undergraduate students of civil engineering at major Indian universities and engineering colleges. The text is also useful to the experts and professionals in the field of irrigation and agriculture. The content is divided into two parts: Part A and Part B. Part A contain 21 chapters. In this part, the author has discussed various irrigation systems usually adopted in different agro-climatic regions in India. With neatly-drawn sketches, the design of irrigation structures for storage, diversion, distribution and control are illustrated with exam-oriented worked-out examples. Part B of the book comprises 27 irrigation/hydraulic structures (called plates), presenting sketches with usual three-views to scale of dams, spillways, canals and cross-drainage works. These sketches are furnished with all details and dimensions (workable drawings) with lucid and complete designs.

"This book is designed as an undergraduate text for water and environmental engineering courses and as preliminary reading for postgraduate courses in water and environmental engineering- including introductory coverage of irrigation and drainage, water resources, hydrology, hydraulic structures, and more. The text and exercises have been classroom tested by undergraduate water and environmental engineering students and are augmented by material prepared for extramural short courses. It covers basic concepts of agricultural irrigation and drainage, including planning and design, surface intakes, economics, environmental impacts wetlands, and legal issues. Features: Numerous illustrations throughout to clarify the concepts presented Examines and compares the advantages and disadvantages of several methods of irrigation practice Explains the integral components including pumps, filters, piping, valves, and more Considers fertilizer application and nutrient management This comprehensive and well-illustrated book will be of great interest to students, professionals, and researchers involved with all aspects of water engineering, hydrology, and irrigation"--

Elements of Civil Engineering and Engineering Mechanics

Irrigation Engineering and Hydraulic Structures

Civil Engineering Objective Questions From Various Papers With Answers

The Times of Ceylon Green Book

Irrigation Engineering (Including Hydrology)

Covering climate, soils, crops, water quality, hydrology, and hydraulics, this textbook offers a perfect overview of irrigation engineering.

This book, in its third edition, continues to focus on the basics of civil engineering and engineering mechanics to provide students with a balanced and cohesive study of the two areas (as needed by them in the beginning of their engineering education). A basic undergraduate textbook for the first-year students of all branches of engineering, this book is specifically designed to conform to the syllabus of Visvesvaraya Technological University (VTU). Imparting the basic knowledge in various facets of civil engineering and the related engineering structures and infrastructure such as buildings, roads, highways, dams and bridges, the third edition covers the engineering mechanics portion in eleven chapters. Each chapter introduces the concepts to the reader, stepwise. Providing a wealth of practice examples, the book emphasizes the importance of building strong analytical skills. Practice problems, at the end of each chapter, give students an opportunity to absorb concepts and hone their problem-solving skills. The book comes with a companion CD containing the software developed using MS-Excel, to work out the problems on Forces, Centroid, Friction and Moment of Inertia. The use of this software will enable the students to understand the concepts in a relatively better way. NEW TO THIS EDITION • Introduces a chapter on Kinematics as per the revised Civil Engineering syllabus of VTU • Updates with the latest examination Question Papers, including the one held in the month of December 2013

SGN. The Ebook BPSC-Bihar Assistant Engineer (Civil) Exam Covers Civil Engineering Objective Questions With Answers.

Irrigation Practice and Irrigation Engineering, Part 1

Stanford Civil Engineering Alumni Directory

ELEMENTS OF CIVIL ENGINEERING AND ENGINEERING MECHANICS

With CD-Rom

IRRIGATION ENGINEERING

Output in infrastructure is forecast to rise by 6.6% in 2013 & 7.6% in 2014, driven by Highways Agency's capital budget funding, by rail and by electricity Spon's Civil Engineering and Highway Works Price Book 2014 gives costs for both general and civil engineering works and highway works, and provides a full breakdown of labour, plant and mate

Staff Selection Commission (SSC) is one of the prestigious organisations of Government of India known widely for recruiting potential candidates for various posts at various subordinate offices. "SSC Junior Engineer CPWD/MES Civil Engineering" for Paper I Computer-based test (CBT) 2019 is a revised edition to provide students an updated version of study material following the latest examination pattern for this examination. It is divided into three parts covering General Intelligence and Reasoning, General Awareness, and Civil along with their chapters equipped with complete theories. Each chapter consists of sufficient number of MCQs for harnessing the conceptual clarity. It has 3 solved papers of 2015, 2017 and 2018 with detailed solutions. It also provides mock test for self-practice. Enclosed with such effective set of study material, it is hoped that it will ensure success in this upcoming examination. TOC Solved Paper 2018, Solved Paper 2017, Solved Paper 2015, PART A - General Intelligence & Reasoning, PART B - General Awareness, PART C - Civil, Mock Test

Spon's Civil Engineering and Highway Works Price Book 2009 is more than just a price book. It provides a comprehensive work manual that many in the civil engineering, surveying and construction business will find it hard to work without. It gives costs for both general and civil engineering works and highway works, and shows a full breakdown of lab

Cyclopedia of Civil Engineering: Plotting and topography; railroad engineering

The Civil Engineer's Pocket-book

(formerly "pocket-book")

Introduction to Water Engineering, Hydrology, and Irrigation

Principles, Processes, Procedures, Design, and Management

The subject "Irrigation Engineering" has assumed importance since last 30 to 40 years. Continued increase in population, particular in developing countries, at a very fast rate has caused scarcity of food. The real answer to food problem, is increased production of food articles; which is possible only by artificial irrigation of fields. India has a very large potential for irrigation, because area and water resources both are abundantly available. Abundance of area for irrigation arid availability of lot of water resources are probably the reasons that most of the early irrigation practices and theories were developed in India. There is lot of variations in rainfall in different regions of India. Some of the areas have very little rainfall insufficient to grow any crop. Other areas have sufficient rainfall but its distribution is not as required by the crops. Scanty rainfall and erratic distribution both necessitate artificial irrigation. The purpose of this book is to present the subject in most concise form. Simplicity of language is the main feature of the book. The book is completely in MKS units and covers the syllabus of all the Indian Universities, State Technical Boards, and A.M.I.E. (India) examinations. The book should be equally useful to practicing engineers as reference book. Examples of almost all the important irrigation works have been solved and then illustrated in neat drawing charts. Khosla's Charts, Lacey's and Garret diagrams all are in MKS units. Rajsons Publications Pvt. Ltd. Every effort was made to eliminate printing errors. I would appreciate if printing errors are brought to my notice and Suggestions to bring about improvements in the book are most welcome. I am thankful to all my friends who have rendered great help by their valuable suggestions. In last I am thankful to Shri R.K. Jain, Prop. Standard Book House, without whose efforts this venture would not have reached the readers.

Rock Mass Classifications - A Practical Approach in Civil Engineering was written in response to the many unanswered questions regarding this subject. Questions such as - Is Classification reasonably reliable? Can it be successful in crisis management of geohazards? Can a single Classification system be general for all rock structures? Is Classification a scientific approach? Laborious field research was undertaken in the Himalayan mountains by a team of scientists from the Central Mining Research Institute (CMRI), University of Roorkee (UOR), Central Soil and Material Research Station (CSMRS), U.P. Irrigation Research Institute (UPIRI), and Norwegian Geotechnical Institute (NGI) to answer these questions. The results obtained from the research work were systematically compiled to produce this book which bears particular relevance to civil, mining and petroleum engineers and geologists. Endorsements "It is a Handbook of Rock Engineering" - Zhao Jian, School of Civil & Structural Engineering, Nanyang

Technological University, Singapore "I came across your new book - Rock Mass Classification, absolutely fantastic!" - Subodh K. Jain, U.S.A

This is a text book for agriculture and agricultural engineers and will be very much helpful for the beginning students in irrigation. It is designed to guide students from a basic knowledge of soil, mathematics, hydrologic and hydraulics to the state-of-the-art irrigation system design and management. Since major and medium irrigation projects are too costly and at the same time are not eco-friendly, the major thrust of research is now being imparted on low cost and easy to construct farm irrigation structures. The primary aim of the book is to design an optimum size small scale water harvesting structure which is the farm pond mostly used by the farmers in the farms. My goal is to present the principles and concepts of farm irrigation in a simple manner to maximize the students learning, understanding and motivation. The method and order of presentation have been carefully developed and classroom tested to make this book a useful and effective teaching tool. The book will not only be a helping tool to the students and teachers in agriculture and agricultural engineering but also to all the practicing engineers, agricuturists, soil conservationists and agricultural extension workers who deal directly or indirectly with water management and other associated farm development works. However, the book cannot be used for design of complex hydraulic structures including dams and reservoir The book contains 23 solved problems, 238 short and long type questions, 42 tables, 55 figures and more than 138 references which will be immensely helpful to the students and design engineerSeveral field experimental results have also been incorporated in the book at appropriate sections to make the book interesting for the readers.

Host Bibliographic Record for Boundwith Item Barcode 30112100632634 and Others

Cyclopedia of Civil Engineering

KPSC-Karnataka Assitant Engineer Gr-I Exam eBook Enlarged Edition

Irrigation Practice and Engineering

Test for Selecting Application Rate for Unstable Soils

SGN. The Enlarged Edition of eBook KPSC-Karnataka Assistant Engineer Gr-I Exam Covers Previous Years' papers Of Various Similar Exams.

Irrigation Engineering and Hydraulic Structures comprehensively deals with all aspects of Irrigation in India, soil moisture and different types of irrigation systems including but not limited to Sprinkler, Tubewell, Canal and Micro-Irrigation. The book also focuses on Engineering Hydrology, Dams, Water Power Engineering as well as Irrigation Water Management. Special care has been taken to highlight the principles, practices and design procedures that have been widely recommended as well as suggest improvements in the application of existing methods and adoption of latest techniques used in other parts of the world.

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.

RRB JE (Stage-2) Civil Engineering

DSSSB-Delhi Assistant Engineer (Civil) Exam: Civil Engineering Subject

Irrigation Engineering

Elements of Water Resources Engineering

Irrigation and Water Resources Engineering

This textbook focuses specifically on the combined topics of irrigation and drainage engineering. It emphasizes both basic concepts and practical applications of the latest technologies available. The design of irrigation, pumping, and drainage systems using Excel and Visual Basic for Applications programs are explained for both graduate and undergraduate students and practicing engineers. The book emphasizes environmental protection, economics, and engineering design processes. It includes detailed chapters on irrigation economics, soils, reference evapotranspiration, crop evapotranspiration, pipe flow, pumps, open-channel flow, groundwater, center pivots, turf and landscape, drip, orchards, wheel lines, hand lines, surfaces, greenhouse hydroponics, soil water movement, drainage systems design, drainage and wetlands contaminant fate and transport. It contains summaries, homework problems, and color photos. The book draws from the fields of fluid mechanics, soil physics, hydrology, soil chemistry, economics, and plant sciences to present a broad interdisciplinary view of the fundamental concepts in irrigation and drainage systems design.

The Book Conforms To The Modern Concept Of Treating The Diversified Problems Of Water Resources Engineering Through A Multi-Disciplinary And Integrated Approach And Incorporating It In The Educational Curriculum For Effective And Comprehensive Teaching. It Specifically Deals With The Principal Segments Of Water Resources Engineering Which Include Hydrology, Ground Water, Water Management For Irrigation And Power, Flood Control, Engineering Economy In Water Resources Projects For Flood Control, Project Planning In Water Resources, Concrete And Earth Dams.Because Of The Multi-Disciplinary Nature Of Water Resources Engineering Problems. It Is Seldom Possible To Do Full Justice To The Subjects Unless The Teaching Imparts Background Knowledge Of The Allied Disciplines. Viz. Probability And Statistics, Engineering Economics And Systems Engineering. The Book Represents An Attempt To Fulfill This Primal Need.The Book Would Primarily Benefit Students Doing Graduation In Civil Engineering And Those Appearing In Section-B Examination Of The Institution Of Engineers (India). Besides, Some Of The Topics Covered In The Book Would Also Be Of Much Use By Post-Graduate Students In Water Resources Engineering.

This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1915 edition. Excerpt: ...consist of knolls and ridges of considerable height, and where the soil must be transported for a distance of 10 to 15 feet. The scraper is a rectangular frame 10 to 16 feet long and 2 feet wide, made of 2 inch plank, shod along one edge with a steel plate, and a tailboard or footboard with the necessary lever handle and connections to regulate the angle of the scraper board and to hold it in position. The smaller size requires four horses and the larger six horses. For land where the irregularities consist of knolls or hummocks fairly uniform in size, not too large, and distributed rather uniformly so that the scraped off material must not be carried far, an implement used with much success in the Imperial Valley of Southern California is the Rectangular Scraper or leveler, Fig. 19. It is a rectangular frame 30 feet long and 12 feet wide, in Fig. 20.--Float for leveling land, which are assembled six scrapers. The sides of the frame are made of 4 to 12-inch timbers 30 feet long, placed on edge. The two ends of the frame with the four intermediate cross-pieces are the scrapers; they are made of 4 by 12 timber, 12 feet long, placed on edge, with the lower part of the wearing side shod with a steel plate, 3/8 inch thick by 6 inches wide. All of the scrapers excepting the...

Questions Asked In Similar Exams

SSC Junior Engineers Civil Engineering Paper 1

Irrigation Systems Engineering

Engineering News

This book is an outcome of a large experience of many engineers on various different site conditions. Many actual cases have been sited. It deals with all the practical aspects of an economic section for various discharges, topographic and soil conditions. The canal design involves deep knowledge of following disciplines. Hydraulic of flow, Mechanics of bed erosion and sediment transport, Geotechnical engineering, Soil and Rock mechanics, stability of inner and outer slopes, including that of foundation, Mechanics of ground water flow, seepage and drainage characteristics of soil and ground, Tunnelling, Structural Engineering and construction techniques. There are following Parameters of a Channel Design. (1). Discharge, Q (2). Rugosity coefficient, N (3). Longitudinal slope, S (4). Side slope Z (horizontal : 1 vertical) (5). Bed width, B (6). Depth, D or b/d ratio, X and (7). Velocity, V Lastly this volume is very friendly to field engineers and helps to avoid mistakes. It is written in such a way that the field engineers can use the relevant part directly. The book is also very useful to engineering students to enable them to clearly understand the hydraulics and economics of canal sections, and project works. It incorporates the work of many researchers / scholars on the subject. It also highlights future studies required. The author gratefully acknowledges the help received from many standard works on Irrigation Engineering and allied subject, including textbooks, by Indian and foreign authors, technical papers and project reports published by various professional bodies, Governments through the unique libraries of I.I.T., Roorkee, CWC Delhi and Rajasthan Irrigation and other State Departments, without which this work would have not been possible. A list of references is given at the end of each chapter and in the end of this book also.

Irrigation EngineeringRajsons Publications Pvt. Ltd.

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A Practical Approach in Civil Engineering

Spon's Civil Engineering and Highway Works Price

Year Book of the Society of Engineers, University of Minnesota

The Civil Engineer's Reference-book

BPSC-Bihar Assistant Engineer (Civil) Exam Ebook-PDF

2022-23 SSC JE Civil Engineering Chapter-wise Solved Papers

Irrigation and Drainage Engineering

Catalogue of the Books in the Reference Department

Rock Mass Classification

Canal Design and Construction

Use of Irrigation Water and Irrigation Practice