
Irrigation Engineering Books By B C Punmia

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

The Oregon Blue Book

Year Book - American Society of Civil Engineers

Water-resources Engineering

Cyclopedia of Civil Engineering: Plotting and topography; railroad engineering

Elements of Water Resources Engineering

Engineering Hydrology

Cyclopedia of Civil Engineering

Irrigation Engineering

RRB JE (Stage-2) Civil Engineering

(formerly "pocket-book")

Engineering News

IRRIGATION ENGINEERING

The Civil Engineer's Pocket-book

Irrigation and Drainage Engineering

SSC Junior Engineers Civil Engineering Paper 1

Facts, Figures, and Formulae for Irrigation Engineers

Water Resources Engineering

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Spon's Civil Engineering and Highway Works Price Book 2014

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Drainage Engineering: Principles and Practices

Use of Irrigation Water and Irrigation Practice

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Irrigation Engineering

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Irrigation Practice and Irrigation Engineering, Part 1

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Canal Design and Construction

Catalogue of the Books in the Reference Department

Blue Book and Official Directory

Irrigation Engineering and Hydraulic Structures

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Books By B C Punmia*

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COLLINS ROSS

DSSSB-Delhi Assistant Engineer (Civil)

Exam: Civil Engineering Subject CRC Press

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.

The Oregon Blue Book Springer
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
Year Book - American Society of Civil Engineers Rajsons Publications Pvt. Ltd.
The current book attempts to fill the gap in one of the major subject of land drainage that will have a major impact on

production and productivity of irrigated lands. The book Titled `Drainage Engineering: Principles and Practices` deals with the subject of surface and subsurface drainage to reclaim waterlogged salt affected soils. Based on the course curricula as suggested by Deans´ committee constituted by ICAR, the current publication has been divided into 11 Chapters covering all the facets of land drainage as applied to agriculture. Each chapter covers one of the related issues beginning with general introduction to water logging, soil salinity and land drainage in Chapter 1. Surface drainage methods, an essential intervention in monsoon climatic regions and as supplement to the subsurface drainage are included in Chapter 2. Drainage investigations, a precursor to problem diagnosis and to assemble the drainage design parameters are included in Chapter 3. The drainage design procedures such as assessment of drainage depth, spacing and capacity of drains forms the subject matter of Chapter 4. While drainage materials are discussed in Chapter 5, drainage construction procedures and methodologies to monitor and evaluate

completed projects are included in Chapter 6. Some of the new drainage techniques such as mole, interceptor, vertical and bio-drainage have been included in Chapter 7 since these can either be applied singly or in integration with horizontal subsurface drainage. Chapters 8-10 deal withreclamation of salt affected soils,acid soils and management of saline water. Eco-friendly reuse and disposal of saline drainage wateralso form the subject matter of discussion of Chapter 10. Cost calculations, socio-economic and environmental issues associated with drainage projects have been included in final chapter 11. Glossary of terms has been added for quick overview of the terms used in the book. Clearly, each and every aspect of surface and subsurface drainage for agricultural lands has been covered in the book.Besides covering the principles of land drainage, field practices have been included making the book a handy tool for specialized training programmes on land drainage. It is believed that the book will find its place in the shelves of students and teachers, field functionaries and libraries of state agricultural

universities and civil engineering colleges.
Water-resources Engineering PHI Learning Pvt. Ltd.

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

Cyclopedia of Civil Engineering: Plotting and topography; railroad engineering Disha Publications

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.

Elements of Water Resources Engineering New India Publishing

18 years GATE Civil Engineering Topic-wise Solved Papers (2000 - 17): This new edition is empowered with 4 Online Practice Sets with InstaResults & detailed Solutions. The book includes Numerical Answer Qns. The book covers fully solved past 18 years question papers from the year 2000 to the year 2017. The salient features are: • The book has 3 sections - General Aptitude, Engineering Mathematics and Technical Section. • Each section has been divided into Topics. Aptitude - 2 parts divided into 9 Topics, Engineering Mathematics - 6 Topics and Technical Section - 14 Topics. • Each chapter has 3 parts - Quick Revision Material, Past questions and the Solutions. • The Quick Revision Material lists the main points and the formulas of the chapter which will help the students in revising the chapter quickly. • The Past questions in each chapter have been divided into 5 types: 1. Conceptual MCQs 2. Problem based MCQs 3. Common Data

Type MCQs 4. Linked Answer Type MCQs 5. Numerical Answer Questions • The questions have been followed by detailed solutions to each and every question. • In all the book contains 1700+ MILESTONE questions for GATE Civil Engineering.

Engineering Hydrology Scientific Publishers

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.

Cyclopedia of Civil Engineering

Chandresh Agrawal

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of the highest quality. This process ensures that the reader of one of Trieste Publishing's titles receives a volume that faithfully reproduces the original, and to the maximum degree possible, gives them the experience of owning the original work. We pride ourselves on not only creating a pathway to an extensive reservoir of books of the finest quality, but also providing value to every one of our readers. Generally, Trieste books are purchased singly - on demand, however they may also be purchased in bulk. Readers interested in bulk purchases are invited to contact us directly to enquire about our tailored bulk rates.

Irrigation Engineering New India Publishing Agency

This Book Presents A Comprehensive Treatment Of The Various Dimensions Of Water Resources Engineering. The Fundamental Principles And Design Concepts Relating To Various Structures Are Clearly Highlighted. The Practical Application Of Design Concepts Is Emphasised Throughout The Book. The Text Is Profusely Illustrated By A Large Number Of Detailed Drawings And photographs. Several Worked Out

Examples Are Also Included For A Better Understanding Of The Concepts. Practice Problems And Questions From Various Examinations Are Given For Exercise And Self-Test. This Revised Edition Includes * A New Chapter On River Diversion Head Works Statistical Analysis Of Rainfall And Run-Off Data * Infiltration Indices And Storage Capacity Of Reservoirs * Design Of Sarda Type Canal Drop * Additional Photographs, Diagrams And Examples. The Book Would Serve As An Ideal Text For B.E. Civil Engineering Students And Amie Candidates. Practising Engineers And Candidates Appearing In Various Competitive Examinations Including Gate, Upsc And Ies Would Also Find This Book Very Useful.

RRB JE (Stage-2) Civil Engineering Trieste Publishing

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, agriculturists, 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 engineer. Several field experimental results have also been incorporated in the book at appropriate sections to make the book interesting for the readers. (formerly "pocket-book") Tata McGraw-Hill Education
The irrigation water is considered as the essential input for crop production. Over exploitation of natural water resources has caused a menace for the future human generations. The depletion of underground water table in high productivity areas and under utilization of the water resources in rain fed areas of the country, poor irrigation efficiency and high seepage losses from conveyance system, poor land development and mismanagement of the irrigation water resources has acquired alarming proportions. As the share of water for agriculture in future is going to reduce, there will be tremendous pressure to produce more per drop of water in order to meet the food and other requirements of burgeoning population of the country. The existing irrigation water resources are not utilized judiciously and their mismanagement has led to problems like

low production efficiency, salinization, water logging and degradation of land. To manage these problems and increase the production efficiency of irrigation, it is pertinent to adopt judicious methods of irrigation water use, by efficient on-farm irrigation management based on scientific approach. Therefore, a comprehensive knowledge of available soil moisture and its constants, scheduling and quality of irrigation water and proper drainage techniques is crucial. This manual on irrigation engineering is an attempt to fulfil this urgent need as it covers all major aspects of irrigation water management. Although, manual is meant primarily for the students of agricultural universities, yet it will provide valuable basic information and guide to the scientific community and field functionaries.
Engineering News Tata McGraw-Hill Education
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.

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 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.

SSC Junior Engineers Civil Engineering Paper 1 IRRIGATION

ENGINEERINGMarket_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. **Irrigation Engineering**

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.

Facts, Figures, and Formulae for Irrigation Engineers S. Chand Publishing
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. Water Resources Engineering CRC Press 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.

Irrigation Engineering And Hydraulic Structures New Age International 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 2014 Arihant
Publications India limited

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 and 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.

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