

1: Irrigation Engineering and Hydraulic structures book by SK GARG - www.enganchecubano.com

Irrigation Engineering and Hydraulic Structures Today I am going to share with you a very famous and useful book for Irrigation Engineering Lovers. This book Irrigation Engineering and Hydraulic Structures by Santosh Kumar Garg in PDF form is presented to you.

This book covers about everything that is related with irrigation engineering and that related part of hydraulic structures. Since its publication in the year of , this book has been treated as one of the classic irrigation engineering book of all time. I units had been adopted, chapters are included and questions of different goverment civil engineering jobs are also included in this text. Designs of irrigation channels using Kennedy equations and kutters equations are also discussed keeping in view the characteristics of indian rivers. This will help to obtain certain and specific data about indian rivers and also help to design aluvial rivers and channels. Detailed study of sediment deposit and sediment carrying characteristics are included in this edition. Various irrigation techniques using surface irrigation method and sub-surface irrigation method are classified and discussed. Various terms related to irrigation engineering such as field capacity, root zone depth, root development,water characteristics, ions in water, toxicity of irrigation water, capillary water, delta of water, duty of water are discussed elaborately. Crop period and base period,crop seasons and Indian agriculture,Effective rainfall. Lining of irrigation channel is very important so, a chapter named lining of irrigation channels and economics of lining are included. Irrigation Techniques and Quality of Irrigation Water 2. Water Requirements of Crops 3. Canal Irrigation System 4. Sediment Transport and Design of Irrigation Channels 5. Lining of Irrigation Canals and Economics of Lining 6. River, their Behavior, Control and Training 9. Diversion Head Works Hydraulic Jump and its usefulness in the Design of Irrigation Structures Theories of Seepage and Design of Weirs and Barrages Regulators Modules, and Miscellaneous Canal Structures Cross Drainage Works Ground water Hydrology and Construction of Wells and Tubewells Dams in General and a few dams in Particular Reservoirs and Planning for Dam Reservoirs Design and Construction of Gravity Dams Earthen Dams and Rockfill Dams Spillways, Energy Dissipators,and Spillway Gates Arch and Buttress Dams Irrigation Revenue Rates Chapterwise Multichoice Objective Questions Test Paper on objective Questions Objective Questions of Engineering Services Exams

2: Irrigation Engineering and Hydraulic Structures by S. K. Garg - PDF Free Download

Irrigation Engineering and Hydraulic Structures by Garg is a very popular and fabulous book in the arena of irrigation engineering and water resources engineering. This book covers about everything that is related with irrigation engineering and that related part of hydraulic structures.

Benefits and ill effects of irrigation. Sources of water for irrigation. Surface and ground water, flow irrigation, Lift irrigation, Bhandhara irrigation. Methods of irrigation in India – Potential and development. Crops and crop seasons in India, Crops grown in Karnataka, their seasons, local names. Agro-climatic zones of Karnataka. Irrigation efficiency, Frequency of irrigation. Types of canals, Alignment of canals. Hydraulic design principles for notch type drop. Hydraulic design principles for an aqueduct. Investigation for reservoir sites. Determination of storage capacity and yield of a reservoir using mass curve. Types of weirs and Barrages. Forces acting on a Gravity dam. Elementary and practical profile. Low and high gravity dams. Simple analysis problems, Principal stresses. Types of earthen dams. Failure of earthen dams. Stability analysis under sudden draw down using Swedish slip circle method. Design Principles for an Ogee Spillway. Types and introduction to IS Stilling basins No design problems. Irrigation and Water Power Engineering- B. Irrigation Engineering and Hydraulic Structures S. Garg, - Khanna Publications, New Delhi. Irrigation Theory and Practices- Michael A. M- Vikas Publications, New Delhi.

3: Irrigation Engineering And Hydraulic Structures - Santosh Kumar Garg - Google Books

Download Irrigation Engineering And Hydraulic Structures By Santosh Kumar Garg - The book is designed to cover the major fields of agricultural and environmental engineering such as weather, plant, soil, water, and basics of on-farm water management.

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