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RAILWAY ENGINEERING

Railway Engineering has been specially designed for undergraduate students of civil engineering. From fundamental topics to modern technological developments, the book covers all aspects of the railways including various modernization plans covering tracks, locomotives, and rolling stock. Important statistical data about the Indian Railways and other useful information have also been incorporated to make the coverage comprehensive. A number of illustrative examples supplement text to aid easy understanding of design methods discussed. The book should also serve the need of students of polytechnics and those appearing of the AMIE examination and would also be a ready reference for railway professionals.

AIRPORT ENGINEERING

CHAROTARPUBLISHINGHOUSEP.LTD

INDIAN BOOKS IN PRINT

RAILWAY ENGINEERING

This well-known text-book now in its Nineteenth Edition, provides an up-to-date account of the basic principles on various functions and working of Railways. Its excellent material fills a significant void in the literature of Railway Engineering.

AIRPORT ENGINEERING

Wiley-Interscience Covers airport planning and design.

PRACTICAL RAILWAY ENGINEERING

Imperial College Press 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.

BRIDGE ENGINEERING

The book aims at presenting the topics of Bridge Engineering expressed in simple and lucid language. The presentation is comprehensive and methodical as well as interesting and easy to follow.

TOWN PLANNING

An attempt has been made by the authors in this book to explain the general principles of the subject of Town Planning. The subject matter is expressed in a simple language and practical manner. The treatment is clear, methodical as well as interesting and easy to follow.

BASIC CIVIL ENGINEERING

Firewall Media

TUNNEL ENGINEERING HANDBOOK

Springer Science & Business Media The Tunnel Engineering Handbook, Second Edition provides, in a single convenient volume, comprehensive coverage of the state of the art in the design, construction, and rehabilitation of tunnels. It brings together essential information on all the principal classifications of tunnels, including soft ground, hard rock, immersed tube and cut-and-cover, with comparisons of their relative advantages and suitability. The broad coverage found in the Tunnel Engineering Handbook enables engineers to address such critical questions as how tunnels are planned and laid out, how the design of tunnels depends on site and ground conditions, and which types of tunnels and construction methods are best suited to different conditions. Written by the leading

engineers in the fields, this second edition features major revisions from the first, including: * Complete updating of all chapters from the first edition * Seven completely new chapters covering tunnel stabilization and lining, difficult ground, deep shafts, water conveyance tunnels, small diameter tunnels, fire life safety, tunnel rehabilitation and tunnel construction contracting *New coverage of the modern philosophy and techniques of tunnel design and tunnel construction contracting The comprehensive coverage of the Tunnel Engineering Handbook makes it an essential resource for all practicing engineers engaged in the design of tunnels and underground construction. In addition, the book contains a wealth of information that government administrators and planners and transportation officials will use in the planning and management of tunnels.

RAILWAY TRACK ENGINEERING

HIGHWAY ENGINEERING

SOIL MECHANICS AND FOUNDATIONS

Firewall Media

AIRPORT ENGINEERING

PLANNING, DESIGN, AND DEVELOPMENT OF 21ST CENTURY AIRPORTS

John Wiley & Sons First published in 1979, Airport Engineering by Ashford and Wright, has become a classic textbook in the education of airport engineers and transportation planners. Over the past twenty years, construction of new airports in the US has waned as construction abroad boomed. This new edition of Airport Engineering will respond to this shift in the growth of airports globally, with a focus on the role of the International Civil Aviation Organization (ICAO), while still providing the best practices and tested fundamentals that have made the book successful for over 30 years.

POWER ELECTRONICS

HARBOUR, DOCK AND TUNNEL ENGINEERING

This text-book concisely formulates the basic principles of the subject matter in simple language presented in two sections. The Section I - Harbour and Dock Engineering, is well-divided in twelve chapters including chapter on 'Planning and Layout of Ports'. Also the approach of the write-up has been changed according to the form of facilities and requirements of Harbours and Ports. The Section II - Tunnel Engineering, is also well-divided in twelve chapters including newly developed methods like New Austrian Tunnelling Method (NATM), Shield methods and chapters on 'Stages in Tunnel Construction', 'Tunnelling in Water Bearing Soils' and also 'Health Protection in Tunnels' have been incorporated.

CHHATTISGARH PET GUIDE (COMBINED)

Upkar Prakashan

PLANNING AND DESIGN OF AIRPORTS, FIFTH EDITION

McGraw Hill Professional Authoritative, Up-to-Date Coverage of Airport Planning and Design Fully updated to reflect the significant changes that have occurred in the aviation industry, the new edition of this classic text offers definitive guidance on every aspect of planning, design, engineering, and renovating airports and terminals. Planning and Design of Airports, Fifth Edition, includes complete coverage of the latest aircraft and air traffic management technologies, passenger processing technologies, computer-based analytical and design models, new guidelines for estimating required runway lengths and pavement thicknesses, current Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) standards, and more. Widely recognized as the field's standard text, this time-tested, expertly written reference is the best and most trusted source of information on current practice, techniques, and innovations in airport planning and design. **COVERAGE INCLUDES:** Designing facilities to accommodate a wide variety of aircraft Air traffic management Airport planning studies Forecasting for future demands on airport system components Geometric design of the airfield Structural design of airport pavements Airport lighting, marking, and signage Planning and design of the terminal area Airport security planning Airport airside capacity and delay Finance strategies, including grants, bonds, and private investment Environmental planning Heliports

ENGINEERING MATERIALS (MATERIAL SCIENCE).

12 PRACTICE SETS FOR RRB JUNIOR ENGINEER MECHANICAL & ALLIED ENGINEERING STAGE II EXAM WITH 3 ONLINE TESTS

Disha Publications The book 12 Practice Sets for RRB Junior Engineer Mechanical & Allied Engineering Stage II Exam with 3 Online Tests provides 12 Practice Sets - 9 in the book and 3 Online - on the exact pattern as specified in the latest notification. The book also provides 2014 & 2015 Solved Papers. Each Practice Set contains 150 questions divided into 5 sections: Physics & Chemistry (15), General Awareness (15), Basic Computer Fundamentals (10), Basic Environmental & Pollution Control (10) and Technical Abilities (100). The solution to each Test is provided at the end of the book. This book will really help the students in developing the required Speed and Strike Rate, which can increase their final score by 15% in the final exam.

BUILDING CONSTRUCTION

This well-known and comprehensive text-book, now in its Twenty-Fifth Edition presents in lucid language the complete and full details

of the various complicated topics on the subject of Building Construction. The entire subject-matter of this acclaimed book has been split up in two parts: * Elementary Building Construction * Advanced Building Construction. It is characterised by the clear, methodical and also step-by-step treatment of the subject, and written in a highly readable style. The SI units have been used throughout the book.

CONCRETE TECHNOLOGY

THEORY AND PRACTICE

WATER SUPPLY AND SANITARY ENGINEERING

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.

CIVIL ENGINEERING (OBJECTIVE TYPES)

ESSENTIALS OF BRIDGE ENGINEERING

IRRIGATION ENGINEERING AND HYDRAULIC STRUCTURES

SURVEYING VOL. I

Firewall Media This Volume Is One Of The Two Which Offer A Comprehensive Course In Those Parts Of Theory And Practice Of Plane And Geodetic Surveying That Are Most Commonly Used By Civil Engineers. The First Volume Covers In 24 Chapters, The Most Common Surveying Operations. Each Topic Introduced Is Thoroughly Described, The Theory Is Rigorously Developed, And A Large Number Of Numerical Examples Are Included To Illustrate Its Application. General Statements Of Important Principles And Methods Are Almost Invariably Given By Practical Illustration. Apart From Illustrations Of Old And Conventional Instruments, Emphasis Has Been Placed On New Or Modern Instruments, Both For Ordinary As Well As Precise Work. A Good Deal Of Space Has Been Given To Instrumental Adjustments With Thorough Discussion Of Geometrical Principles In Each Case. Many New Advanced Problems Have Also Been Added Which Will Prove Useful For Competitive Examinations.

R.C.C DESIGN & DRAWING

GUIDE TO RRB JUNIOR ENGINEER STAGE II MECHANICAL & ALLIED ENGINEERING 3RD EDITION

Disha Publications Guide to RRB Junior Engineer Stage II Civil & Allied Engineering 3rd Edition covers all the 5 sections including the Technical Ability Section in detail. • The book covers the complete syllabus as prescribed in the latest notification. • The book is divided into 5 sections which are further divided into chapters which contains theory explaining the concepts involved followed by Practice Exercises. • The Technical section is divided into 13 chapters. • The book provides the Past 2015 & 2014 Solved questions at the end of each section. • The book is also very useful for the Section Engineering Exam.

THEORY OF STRUCTURES

McGraw-Hill College

RAILWAY ENGINEERING AND MAINTENANCE OF WAY

STEEL STRUCTURES

DESIGN AND PRACTICE

Oxford University Press, USA Design of Steel Structures is designed to meet the requirements of undergraduate students of civil and structural engineering. This book will also prove useful for postgraduate students and serve as an invaluable reference for practicing engineers unfamiliar with the limit state design of steel structures. The book provides an extensive coverage of the design of steel structures in accordance with the latest code of practice for general construction in steel (IS 800 : 2007). The book is based on the modern limit state approach to design and covers topics such as properties of steel, types of steel structures, important areas of structural steel technology, bolted connections, welded connections, design of trusses, design of plate girders, and design of beam columns. Each chapter features solved examples, review questions, and practice problems as well as ample illustrations to supplement the text.

SURVEYING AND LEVELLING

Oxford University Press, USA Beginning with elementary surveying techniques Surveying and Levelling, covers the entire spectrum of the subject in a single volume. This student-friendly book incorporates a large number of exercise problems.

URBAN TRANSIT

OPERATIONS, PLANNING, AND ECONOMICS

John Wiley & Sons The only modern text to cover all aspects of urban transit operations, planning, and economics Global in scope, up-to-date with current practice, and written by an internationally renowned expert, Urban Transit: Operations, Planning, and Economics is a unique volume covering the full range of issues involved in the operation, planning, and financing of transit systems. Presenting both theoretical concepts and practical, real-world methodologies for operations, planning and analyses of transit systems, this book is a comprehensive single-volume text and reference for students as well as professionals. The thorough examination of technical fundamentals and management principles in this book enables readers to address projects across the globe despite nuances in regulations and laws. Dozens of worked problems and end-of-chapter exercises help familiarize the reader with the formulae and analytical techniques presented in the book's three convenient sections: Transit System Operations and Networks Transit Agency Operations, Economics, and Organization Transit System Planning Visually enhanced with nearly 250 illustrations, Urban Transit: Operations, Planning, and Economics is a reliable source of the latest information for transit planners and operators in transit agencies, metropolitan planning organizations, city governments, consulting firms as well as students of transportation engineering and city planning at universities and in professional courses.

THEORY OF STRUCTURES

S. Chand Publishing I feel elevated in presenting the New edition of this standard treatise. The favourable reception, which the previous edition and reprints of this book have enjoyed, is a matter of great satisfaction for me. I wish to express my sincere thanks to numerous professors and students for their valuable suggestions and recommending the patronise this standard treatise in the future also.

LIMIT STATE DESIGN OF STEEL STRUCTURES

Tata McGraw-Hill Education

ENGINEERING HYDROLOGY

STRUCTURAL ANALYSIS

STRUCTURAL ANALYSIS (Second Edition) is a basic under-graduate text on Structural Analysis, presented with fresh insight and clarity.

CIVIL ENGINEERING (CONVENTIONAL & OBJECTIVE TYPE)

ESTIMATING AND COSTING IN CIVIL ENGINEERING

THEORY AND PRACTICE

CBS Publishers & Distributors Pvt Limited, India