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KEY=KHANNA - COCHRAN BRADSHAW

Highway Engineering Highway Engineering KHANNA PUBLISHING HOUSE This book on Highway Engineering shall be useful for B.E./B.Tech & M.E/ M.Tech students of Civil Engineering. It shall also be useful for practicing Engineering and designers. **PRINCIPLES OF TRANSPORTATION ENGINEERING PHI Learning Pvt. Ltd.** This detailed introduction to transportation engineering is designed to serve as a comprehensive text for under-graduate as well as first-year master's students in civil engineering. In order to keep the treatment focused, the emphasis is on roadways (highways) based transportation systems, from the perspective of Indian conditions. **Traffic and Highway Engineering Basic Civil Engineering Firewall Media** Transport Planning and Traffic Engineering **CRC Press** 'Transport Planning and Traffic Engineering' is a comprehensive textbook on the relevant principles and practice. It includes sections on transport policy and planning, traffic surveys and accident investigation, road design for capacity and safety, and traffic management. Clearly written and illustrated, the book is ideal reading for students of t **The Handbook of Highway Engineering CRC Press** Modern highway engineering reflects an integrated view of a road system's entire lifecycle, including any potential environmental impacts, and seeks to develop a sustainable infrastructure through careful planning and active management. This trend is not limited to developed nations, but is recognized across the globe. Edited by renowned authority **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. **Contemporary Indian Politics Discovery Publishing House** Contents: Political Malignancy, Parliamentary Democracy in India, Coalition Politics in India, Hung Parliament, Regionalism in Indian Politics, Religious Role, Untouchability and the Government. **Building Construction Handbook Routledge** Ideal for students on all construction courses Topics presented concisely in plain language and with clear drawings Updated to include revisions to Building and Construction regulations The Building Construction Handbook is THE authoritative reference for all construction students and professionals. Its detailed drawings clearly illustrate the construction of building elements, and have been an invaluable guide for builders since 1988. The principles and processes of construction are explained with the concepts of design included where appropriate. Extensive coverage of building construction practice, techniques, and regulations representing both traditional procedures and modern developments are included to provide the most comprehensive and easy to understand guide to building construction. This new edition has been updated to reflect recent changes to the building regulations, as well as new material on the latest technologies used in domestic construction. **Building Construction Handbook** is the essential, easy-to-use resource for undergraduate and vocational students on a wide range of courses including NVQ and BTEC National, through to Higher National Certificate and Diploma, to Foundation and three-year Degree level. It is also a useful practical reference for building designers, contractors and others engaged in the construction industry. **Spon's Civil Engineering and Highway Works Price CRC Press** Infrastructure work is still declining, although there are plans to release £1.3bn worth of road network schemes over the next few years. Network rail has published plans to spend £38bn on upgrade works over the next five years. Water firms are to bring forward \$400m of work into this financial year. **Spon's Civil Engineering and Highway Works Price Book 2015 from AECOM** gives costs for both general and civil engineering works and highway works, and provides a full breakdown of labour, plant and material elements, with labour rates updated in line with the latest CIJC wage agreement. Beyond prices, it can be used as a comprehensive work manual for the UK's civil engineering, surveying and construction business. Use the access code inside the front cover of the book to get set up with internet access to this edition until the end of December 2015. We now provide SPON'S Online, a versatile and powerful online data viewing package, which replaces the estimating software and ebook of recent years. This 29th edition incorporates a comprehensive review throughout: Updated to come into line with the CESSM4 structure as well as MMHW And with an expanded range of rail elements **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. **Civil Engineering Materials Butterworth-Heinemann** Civil Engineering Materials explains why construction materials behave the way they do. It covers the construction materials content for undergraduate courses in civil engineering and related subjects and serves as a valuable reference for professionals working in the construction industry. The book concentrates on demonstrating methods to obtain, analyse and use information rather than focusing on presenting large amounts of data. Beginning with basic properties of materials, it moves on to more complex areas such as the theory of concrete durability and corrosion of steel. Discusses the broad scope of traditional, emerging, and non-structural materials Explains what material properties such as specific heat, thermal conductivity and electrical resistivity are and how they can be used to calculate the performance of construction materials. Contains numerous worked examples with detailed solutions that provide precise references to the relevant equations in the text. Includes a detailed section on how to write reports as well as a full section on how to use and interpret publications, giving students and early career professionals valuable practical guidance. **Applied Mechanics Reviews 151 Essays Arihant Publications India Limited** 1. Collection of more than 162 Essays covering various topics 2. Focuses on developing the art of writing essays 3. Guide is divided into 2 Parts 4. First Part focuses on how to write an effective, interesting essays with techniques 5. Second Part contains all the Latest and Updated topics from all fields of life 6 All topics have been penned in a clear and easy language 7. Important Quotations are provided to better essay writing Writing an essay is a perfect art blend of intellect and creativity that needs discipline of mind, analytical power, and good vocabulary to express thoughts in an appropriate context. To craft a purposeful essay, one must have thorough knowledge of topics, expressions, grammatical accuracy and coherence of thoughts all together. With the revised edition of "151 Essays" readers are certainly helped in enhancing capabilities to present subject matter in a concise and organized manner. The essays in this book have been classified under different categories, giving views on every genre. Latest topics have also been covered with accurate facts and data wherever required. Use of simple and standard language has been kept in mind so that students with different caliber are benefited. A separate section has been made for 'Important Quotations' so that students can use them in writing essay when they require. This book is highly useful for all kinds of examination from academic to government competition. **TOC Contemporary Issues, Social Issues, Political Issues, Economic Issues, Science and Technology, Environmental Issues, Education, Health and Sports, Renowned Personalities, Preverbal and Idiomatic, Miscellaneous Issues, Important Quotations Antenna Theory and Design John Wiley & Sons** Stutzman's 3rd edition of Antenna Theory and Design provides a more pedagogical approach with a greater emphasis on computational methods. New features include additional modern material to make the text more exciting and relevant to practicing engineers; new chapters on systems, low-profile elements and base station antennas; organizational changes to improve understanding; more details to selected important topics such as microstrip antennas and arrays; and expanded measurements topic. **Terrigenous Mass Movements Detection, Modelling, Early Warning and Mitigation Using Geoinformation Technology Springer Science & Business Media** Terrestrial mass movements (i.e. cliff collapses, soil creeps, mudflows, landslides etc.) are severe forms of natural disasters mostly occurring in mountainous terrain, which is subjected to specific geological, geomorphological and climatological conditions, as well as to human activities. It is a challenging task to accurately define the position, type and activity of mass movements for the purpose of creating inventory records and potential vulnerability maps. Remote sensing techniques, in combination with Geographic Information System tools, allow state-of-the-art investigation of the degree of potential mass movements and modeling surface processes for hazard and risk mapping. Similarly, through statistical prediction models, future mass-movement-prone areas can be identified and damages can to a certain extent be minimized. Issues of scale and selection of morphological attributes for the scientific analysis of mass movements call for new developments in data modeling and spatio-temporal GIS analysis. The book is a product of a cooperation between the editors and several contributing authors, addressing current issues and recent developments in GI technology and mass movements research. Its fundamental treatment of this technology includes data modeling, topography, geology, geomorphology, remote sensing, artificial neural networks, binomial regression, fuzzy logic, spatial statistics and analysis, and scientific visualization. Both theoretical and practical issues are addressed. **Mechanics of Materials Firewall Media** Irrigation and Water Resources Engineering **New Age International** 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. Principles of Highway Engineering and Traffic Analysis [John Wiley & Sons](#) Highly regarded for its clarity and depth of coverage, the bestselling Principles of Highway Engineering and Traffic Analysis provides a comprehensive introduction to the highway-related problems civil engineers encounter every day. Emphasizing practical applications and up-to-date methods, this book prepares students for real-world practice while building the essential knowledge base required of a transportation professional. In-depth coverage of highway engineering and traffic analysis, road vehicle performance, traffic flow and highway capacity, pavement design, travel demand, traffic forecasting, and other essential topics equips students with the understanding they need to analyze and solve the problems facing America's highway system. This new Seventh Edition features a new e-book format that allows for enhanced pedagogy, with instant access to solutions for selected problems. Coverage focuses exclusively on highway transportation to reflect the dominance of U.S. highway travel and the resulting employment opportunities, while the depth and scope of coverage is designed to prepare students for success on standardized civil engineering exams. Soil Mechanics and Foundations [Firewall Media](#) 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. Highway Engineering Handbook, 2e [McGraw Hill Professional](#) * Compiles all the data necessary for efficient and cost-effective highway design, building, rehabilitation, and maintenance * Includes metric units and the latest AASHTO (American Association of State Highway Transportation Officials) design codes Utilisation of Electrical Power [Firewall Media](#) Pavement Asset Management [John Wiley & Sons](#) Comprehensive and practical, Pavement Asset Management provides an essential resource for educators, students and those in public agencies and consultancies who are directly responsible for managing road and airport pavements. The book is comprehensive in the integration of activities that go into having safe and cost-effective pavements using the best technologies and management processes available. This is accomplished in seven major parts, and 42 component chapters, ranging from the evolution of pavement management to date requirements to determining needs and priority programming of rehabilitation and maintenance, followed by structural design and economic analysis, implementation of pavement management systems, basic features of working systems and finally by a part on looking ahead. The most current methodologies and practical applications of managing pavements are described in this one-of-a-kind book. Real world up-to-date examples are provided, as well as an extensive list of references for each part. Intersection and Interchange Design [Transportation Research Board](#) Fundamentals of Building Construction Materials and Methods An introduction to the art of building, it has been revised and updated to reflect changes in the industry. Describes the materials used since ancient times—wood, stone, brick and the techniques by which they are made into buildings today—before proceeding to structural steel, reinforced and prestressed concrete, float glass, extruded aluminum, advanced gypsum products, synthetic rubber compounds and plastics. Deals with whole systems of building including foundations, framing, roofing, interiors, electrical and mechanical systems. Each chapter contains a summary, list of key terms and concepts, review questions and references. Illustrated with over 300 line drawings and 700 photographs. Mechanical Engineer's Handbook The Mechanical Engineer's Handbook was developed and written specifically to fill a need for mechanical engineers and mechanical engineering students throughout the world. With over 1000 pages, 550 illustrations, and 26 tables the Mechanical Engineer's Handbook is very comprehensive, yet affordable, compact, and durable. The Handbook covers all major areas of mechanical engineering with succinct coverage of the definitions, formulas, examples, theory, proofs, and explanations of all principle subject areas. The Handbook is an essential, practical companion for all mechanical engineering students with core coverage of nearly all relevant courses included. Also, anyone preparing for the engineering licensing examinations will find this handbook to be an invaluable aid. Useful analytical techniques provide the student and practicing engineer with powerful tools for mechanical design. This book is designed to be a portable reference with a depth of coverage not found in "pocketbooks" of formulas and definitions and without the verbosity, high price, and excessive size of the huge encyclopedic handbooks. If an engineer needs a quick reference for a wide array of information, yet does not have a full library of textbooks or does not want to spend the extra time and effort necessary to search and carry a six pound handbook, this book is for them. * Covers all major areas of mechanical engineering with succinct coverage of the definitions, formulae, examples, theory, proofs and explanations of all principle subject areas * Boasts over 1000 pages, 550 illustrations, and 26 tables * Is comprehensive, yet affordable, compact, and durable with strong 'flexible' binding * Possesses a true handbook 'feel' in size and design with a full colour cover, thumb index, cross-references and useful printed endpapers Civil Engineering Objective Type Questions Covers all the major topics in civil engineering. Each topic is presented briefly followed by an exhaustive set of objective questions. Coverage ranges from the basic to the advanced. The text includes 3000+ objective type questions; brief descriptions of important theorems; derivations of important functions, relationships and equations; and diagrams and tables to illustrate important concepts. Basics of Civil Engineering [Jyothis Publishers](#) Basics of Civil Engineering addresses various aspects of civil engineering field. 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. Operation and Control in Power Systems, Second Edition [CRC Press](#) In power system engineering, practically all results of modern control theory can be applied. Such an application will result in a more economical, more convenient and higher service quality operation and in less inconvenience in the case of abnormal conditions. For its analytical treatment, control system design generally requires the determination of a mathematical model from which the control strategy can be derived. While much of the control theory postulates that a model of the system is available, it is also necessary to have a suitable technique to determine the models for the process to be controlled. It is therefore essential to model and identify power system components using both physical relationships and experimental or normal operating data. The objective of system identification is the determination of a mathematical model that characterizes the operation of a system in some form. The available information is either system output or a function of the system output. The input may be a known function applied for the purpose of identification, or an unknown function which could possibly be monitored, or a combination of both. The planning of the operation and control of isolated or interconnected power systems present a large variety of challenging problems. Solving these requires the application of several mathematical techniques from various sources at the appropriate process step. Moreover, the knowledge of optimization techniques and optimal control methods is essential to understand the multi-level approach that is used. Operation and Control in Power Systems is an introductory course text for undergraduate students in electrical and mechanical engineering. In fifteen chapters, it deals with the operation and control of power systems, ranging from load flow analysis to economic operation, optimal load flow, unit commitment, load frequency, interconnected systems, voltage and reactive power control and advanced topics. Various models that are needed in analysis and control are discussed and presented through out the book. This second edition has been extended with mathematical support material and with methods to prevent voltage collapse. It also includes more advanced topics in power system control, such as the effect of shunt compensators, controllable VAR generation and switching converter type VAR generators. Design of Reinforced Concrete [John Wiley & Sons Incorporated](#) Publisher Description Handbook of Transportation Engineering [McGraw Hill Professional](#) This is a comprehensive, problem-solving engineering guide on the strategic planning, development, and maintenance of public and private transportation systems. Covering all modes of transportation on land, air, and water, the Handbook shows how to solve specific problems, such as facility improvement, cost reduction, or operations optimization at local, regional, national, and international levels. * Extensive sections on road construction and maintenance, bridge construction and repair, and mass transit systems * Examines airline traffic control systems, airline schedule planning, and airline ground operation * Covers marine, rail, and freight transportation Pulse and Digital Circuits Fundamentals of Logic Design Updated with modern coverage, a streamlined presentation, and an excellent companion CD, this sixth edition achieves yet again an unmatched balance between theory and application. Authors Charles H. Roth, Jr. and Larry L. Kinney carefully present the theory that is necessary for understanding the fundamental concepts of logic design while not overwhelming students with the mathematics of switching theory. Divided into 20 easy-to-grasp study units, the book covers such fundamental concepts as Boolean algebra, logic gates design, flip-flops, and state machines. By combining flip-flops with networks of logic gates, students will learn to design counters, adders, sequence detectors, and simple digital systems. After covering the basics, this text presents modern design techniques using programmable logic devices and the VHDL hardware description language. Civil Engineering (Conventional & Objective Type) Bridge Engineering Rehabilitation, and Maintenance of Modern Highway Bridges [McGraw Hill Professional](#) Aimed at US audience - architects (113,000), civil engineers (228,000), and universities and colleges offering structural engineering programs. This work reflects the bridge design code changes and the newest ASCE [American Association of Civil Engineers] design methods. It uses SI units throughout for international usage. Comprehensive Chemistry An Introduction to Transportation Engineering