Engineering Geology Book By Rb Gupte

Hydrogeology and Engineering Geology
Principles of Engineering Geology
A Geology for Engineers
Foundations of Engineering Geology, Second Edition
Engineering Geology
ENVIRONMENTAL AND ENGINEERING GEOLOGY -Volume IV
A Textbook of Geology
Published on behalf of the Australian Geomechanics Society
Engineering Geology and Construction
Geotechnika - Selected Translations of Russian Geotechnical Literature 3
Geology for Civil Engineers
ENVIRONMENTAL AND ENGINEERING GEOLOGY -Volume III
Bulletin
Textbook of Engineering Geology
Mineral Facts and Problems
AAPG Memoir 31
Reservoir Compartmentalization
Volume 1
Geologically Active
Mining and Scientific Press
ENGINEERING GEOLOGY FOR CIVIL ENGINEERS
Physical Geology
Disturbed Soil Properties and Geotechnical Design
Advanced Dam Engineering for Design, Construction, and Rehabilitation
Basics for Engineers, Second Edition
Rock Characterisation, Modelling and Engineering Design Methods
Elsevier Geo-Engineering Book 5
Geotechnika - Selected Translations of Russian Geotechnical Literature 8
Engineering geology of the Sydney Region
Professional Licensure for Geologists
Principles of Engineering Geology
Bulletin
Coastal, Estuarial and Harbour Engineer's Reference Book
Engineering Geology of Melbourne
The 25% Solution
Project Planning and Project Success
Engineering Geology and Geotechnics
Tunnelling In Weak Rocks

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ZAYDEN CARPENTER

Hydrogeology and Engineering Geology Principles of Engineering Geology
Translated from the second Russian edition of 1988. Parts 2, "Soil mechanics" and 3, "Foundations and footings" are revised and updated versions of the first Russian edition of 1981. Part 1, "Special course in engineering geology," contains a discussion of physicomechanical properties of soil, geody
Principles of Engineering Geology Macmillan
Vast knowledge has been developed in the area of tunnelling in weak rocks over the years, and this book bridges an important gap by bringing all the information together for the benefit of the tunnelling Industry. In particular, tunnelling in poor conditions is a huge challenge for engineers and designers, and this book tackles all typical problems headon. Topics covered include classification approach, design approaches for site-specific grounds, a new invention on shielded tunnel boring machine, case histories, tunnel mechanics, risk engineering and management culture. OCo Based on extensive field research experiences in Himalayan region and Alps OCo Exclusive chapters on tunnelling hazards, squeezing ground conditions (a full detailed case study), swelling ground conditions, critical state rock mechanics, etc. OCo Supported by over 180 figures and 90 tables of data, and test examples (with solutions)"
A Geology for Engineers Routledge
Provides a comprehensive introduction of the application of geologic fundamentals to civil engineering. Explains the theory and applied aspects of engineering geology, and the impact geology has on civil engineering planning, design, construction, and monitoring. Offers expanded coverage of applied geophysical methods, investigation fundamentals, use of aggregate materials, site instrumentation, and remote sensing.
Foundations of Engineering Geology, Second Edition Elsevier
A compilation of papers describing the geology, engineering properties and the hazards and design issues associated with the substrata of Melbourne and its surrounds. It includes the area from Geelong to Bacchus Marsch to the Dandenongs and Mornington Peninsula.
Engineering Geology CRC Press
Winner of the 2004 Claire P. Holdredge Award of the Association of Engineering Geologists (USA).The only book to concentrate on the relationship between geology and its implications for construction, this book covers the full scope of the subject from site investigation through to the complexities of reservoirs and dam sites. Features include inter
ENVIRONMENTAL AND ENGINEERING GEOLOGY -Volume IV AAPG
The present state of the art of dam engineering has been ronmental, and political factors, which, though important, attained by a continuous search for new ideas and methods are covered in other publications. while incorporating the lessons of the past. In the last 20 The rapid progress in recent times has resulted from the years particularly there have been major innovations, due combined efforts of engineers and associated scientists, as largely to a concerted effort to blend the best of theory and exemplified by the authorities who have contributed to this practice. Accompanying these achievements, there has been book. These individuals have brought extensive knowledge a significant trend toward free interchange among the pro to the task, drawn from experience throughout the world. fessional disciplines, including open discussion of prob With the convergence of such distinguished talent, the op lems and their solutions. The inseparable relationships of portunity for accomplishment was substantial. I gratefully hydrology, geology, and seismology to engineering have acknowledge the generous cooperation of these writers, and been increasingly recognized in this field, where progress am indebted also to other persons and organizations that is founded on interdisciplinary cooperation. have allowed reference to their publications; and I have This book presents advances in dam engineering that attempted to acknowledge this obligation in the sections have been achieved in recent years or are under way. At where the material is used. These courtesies are deeply ap tention is given to practical aspects of design, construction, preciated.
A Textbook of Geology CRC Press
Project planning is generally accepted as an important contributor to project success. However, is there research that affirms the positive impact of project planning and gives guidance on how much effort should be spent on planning? To answer these questions, this book looks at current literature and new research of this under-studied area of project management. The author presents his findings from an extensive review of project planning literature that covers more than 270 sources. He also discusses new research that analyzes data from more than 1,300 global projects. The book confirms that the time spent on planning activities reduces risk and significantly increases the chances of project success. It also concludes that there can be too much planning and shows that the optimum ratio of planning to effort is 25%. The book examines the impact of project planning on different industries. It discusses research in the construction and information technology (IT) industries, and presents a case study of how to plan and track a software development project. The book also looks at the impact of geography on project planning and success. Intended as a basic tool in the library of any project manager or general manager, this book brings to light project planning techniques and information that have never been published previously. It is an important resource on how to plan projects properly and propel your career forward.
Published on behalf of the Australian Geomechanics Society Routledge
For nearly three decades there has been a phenomenal growth in the field of Remote Sensing. The second edition of this widely acclaimed book has been fully revised and updated. The reader will find a wide range of information on various aspects of geological remote sensing, ranging from laboratory spectra of minerals and rocks, ground truth, to aerial and space-borne remote sensing. This volume describes the integration of photogeology into remote sensing as well as how remote sensing is used as a tool of geo-exploration. It also covers a wide spectrum of geoscientific applications of remote sensing ranging from meso- to global scale. The subject matter is presented at a basic level, serving students as an introductory text on remote sensing. The main part of the book will also be of great value to active researchers.
Engineering Geology and Construction CRC Press

Soil-Foundation-Structure Interaction contains selected papers presented at the International Workshop on Soil-Foundation-Structure Interaction held in Auckland, New Zealand from 26-27 November 2009. The workshop was the venue for an international exchange of ideas, disseminating information about experiments, numerical models and practical engineering problems relating to soil-foundation-structure interaction. A topic of long standing interest to both structural and geotechnical engineers is what is traditionally known as soil-structure interaction (SSI). For a long period, this has involved linear elastic interaction between the foundation and the underlying soil and the appropriate analysis is well developed for both static and dynamic interaction. In recent years, there has been a growing interest in considering nonlinear soil-foundation interaction in the design of shallow foundations, both for static and earthquake loading. To distinguish these approaches from the classical linear elastic soil-structure interaction, the term soil-foundation-structure-interaction (SFSI) has been coined recently. The development of various approaches is occurring rapidly in many research groups all over the world, with the inclusion of nonlinear structure and nonlinear soil interaction using FEM-based numerical methods, as well as the use of shallow foundation macro-elements as an alternative to using finite elements. The workshop brought together representatives from several of these groups to review the current state of development, discuss the potential for application in foundation design, and consider how work in this area might develop in the next few years. The emphasis in the workshop was on application of these ideas to the foundation design process. The book will be much of interest to post-graduates in Foundation Engineering, Earthquake Geotechnical Engineering, Earthquake Engineering, and Advanced Structural Dynamics.

Geotechnika - Selected Translations of Russian Geotechnical Literature 3 CRC Press

A major new reference book bringing together wide-ranging expert guidance on coastal engineering, including harbours and estuaries. It covers both traditional engineering topics and the fast developing areas of mathematical modelling and computer simulation.

Geology for Civil Engineers Elsevier

The second edition of this well established book provides a readable and highly illustrated overview of the main facets of geology for engineers. Each topic is presented as a double-page spread with a careful mix of text, tables, and diagrams. Comprehensively updated, and with four new sections," Foundations of Engineering Geology" covers the entire spectrum of topics of interest to both student and professional.

ENVIRONMENTAL AND ENGINEERING GEOLOGY -Volume III CRC Press

NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT--OVERSTOCK SALE -- Significantly reduced list price USDA-NRCS. Issued in spiral ringboundbinder. By Philip J. Schoeneberger, et al. Summarizes and updates the current National Cooperative SoilSurvey conventions for describing soils. Intended to be both currentand usable by the entire soil science community."

Bulletin Government Printing Office

All geologists need a broad understanding of science to understand the processes they study and analytical techniques. In particular, geology students need to grasp the basic physics behind these processes, which this book provides in plain language and simple mathematics. It gives the reader information that will enable him to ascertain the validity of what he reads in scientific literature. Water, an essential component of geology, is emphasized, and many published errors on water are discernible when armed with this text. This updated edition discusses a wide range of topics, including electromagnetic radiation from optics to gamma rays, atomic structure and age-dating, heat and heat flow, electricity and magnetism, stress and strain, sea waves, acoustics, and fluids and fluid flow. The book gives basic definitions and dimensions and also some warnings about misunderstanding mathematical statistics, particularly of linear regression analysis, and unenlightened computation.

Textbook of Engineering Geology CRC Press

Engineering Geology is a multidisciplinary subject which interacts with other disciplines, such as mineralogy, petrology, structural geology, hydrogeology, seismic engineering, rock engineering, soil mechanics, geophysics, remote sensing (RS-GIS-GPS), environmental geology, etc. Engineers require a deeper understanding, interpretation and analyses of earth sciences before suggesting engineering designs and remedial measures to combat natural disasters, such as earthquakes, volcanoes, landslides, debris flows, tsunamis, and floods. This book covers all aspects of Engineering Geology and is intended to serve as a reference for practicing civil engineers and mining engineers. Engineering Geology has also been designed as a textbook for students pursuing undergraduate and postgraduate courses in advanced/applied geology and earth sciences. A plethora of examples and case studies relevant to the Indian context have been included, for better understanding of the geological challenges faced by engineers.

Mineral Facts and Problems CRC Press

Table of contents available via the World Wide Web (viewed 10/24/2002) from the Association of Engineering Geologists, Sacramento Section web site,

AAPG Memoir 31 Thomas Telford

Geology is the science of earth's crust (lithosphere) consisting of rocks and soils. While mining and mineralogical engineers are more interested in rocks, their petrology (formation) and mineralogy, civil engineers are equally interested in soils and rocks, in their formations, and also in their properties for civil engineering design and construction. This book is so written that the subject can easily be taught by a civil engineering faculty member specialised in soil mechanics. Dexterously organized into four parts, this book in Part I (Chapters 1 to 11) deals with the formation of rocks and soils. The classification of soils, lake deposits, coastal deposits, wind deposits along with marshes and bogs are described in Part II (Chapters 12 to 20). As the book advances, it deals with the civil engineering problems connected with soils and rocks such as landslides, rock slides, mudflow, earthquakes, tsunami and other natural phenomena in Part III (Chapters 21 to 24). Finally, in Part IV (Chapters 25 to 30), this text discusses the allied subjects like the origin and nature of cyclones, rock mass classification and soil formation. Designed to serve as a textbook for the undergraduate students of civil engineering, this book is equally useful for the practising civil engineers. SALIENT FEATURES : Displays plenty of figures to clarify the concepts Includes chapter-end review exercises to enhance the problem-solving skills of the students Summary at the end of each chapter brings into focus the essence of the chapter Appendices at the end of the text supply extra information on important topics

Reservoir Compartmentalization CRC Press

Environmental And Engineering Geology is a component of Encyclopedia of Environmental and Ecological Sciences,

Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Environmental and Engineering Geology with contributions from distinguished experts in the field discusses matters of great relevance to our world such as: engineering and environmental geology, and their importance in our life. It also includes a discussion of some new applications of geoscience, such as medical geology, forensic geology, use of underground space for human occupancy, and geoindicators. These four volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Volume 1 Vikas Publishing House

Textbook of Engineering Geology presents study of geology comprehensively from a civil engineering point of view. The author contends that mere technical perfection cannot ensure the safety and success of large-scale civil engineering constructions such a

Geologically Active Springer Science & Business Media

Environmental And Engineering Geology is a component of Encyclopedia of Environmental and Ecological Sciences, Engineering and Technology Resources in the global Encyclopedia of Life Support Systems (EOLSS), which is an integrated compendium of twenty one Encyclopedias. The Theme on Environmental and Engineering Geology with contributions from distinguished experts in the field discusses matters of great relevance to our world such as: engineering and environmental geology, and their importance in our life. It also includes a discussion of some new applications of geoscience, such as medical geology, forensic geology, use of underground space for human occupancy, and geoindicators. These four volumes are aimed at the following five major target audiences: University and College students Educators, Professional practitioners, Research personnel and Policy analysts, managers, and decision makers and NGOs.

Mining and Scientific Press EOLSS Publications

"Reservoir compartmentalization - the segregation of a petroleum accumulation into a number of individual fluid/pressure compartments - controls the volume of moveable oil or gas that might be connected to any given well drilled in a field, and consequently impacts 'booking' of reserves and operational profitability. This is a general feature of modern exploration and production portfolios, and has driven major developments in geoscience, engineering and related technology. Given that compartmentalization is a consequence of many factors, an integrated subsurface approach is required to better understand and predict compartmentalization behaviour, and to minimize the risk of it occurring unexpectedly. This volume reviews our current understanding and ability to model compartmentalization. It highlights the necessity for effective specialist discipline integration, and the value of learning from operational experience in: detection and monitoring of compartmentalization; stratigraphic and mixed-mode compartmentalization; and fault-dominated compartmentalization"--Page 4 of cover.