

California Geotechnical Engineer Exam

Steve Hencher presents a broad and fresh view on the importance of engineering geology to civil engineering projects. Practical Engineering Geology provides an introduction to the way that projects are managed, designed and constructed and the ways that the engineering geologist can contribute to cost-effective and safe project achievement. The need to pass the LEED AP BD+C Exam, Get Your Building LEED Certified, Fight Global Warming, and Save Money! The USGBC released LEED v4 in GreenBuild International Conference and Expo in November, 2013. The GBCI started to include the new LEED v4 content for all LEED exams in June 2014. We have incorporated the new LEED v4 content in this book. LEED (Leadership in Energy and Environmental Design) is one of the most important trends in development and is revolutionizing the construction industry. It has gained tremendous momentum and has a profound impact on our environment. From this book, you will be able to: 1. Identify your weakness through practice questions 2. Learn to work well under the pressure of timed tests 3. Check your responses against the solutions 4. Understand the solutions for the difficult questions through the explanations 5. Fully understand the scope, difficulty level, and format of the LEED AP BD+C Exam 6. Learn how to pass the LEED AP BD+C Exam 7. Become familiar with the new version of LEED rating systems. There is NO official GBCI book on the LEED AP BD+C Exam. "LEED BD&C Mock Exam" fills in the blanks and demystifies LEED. The book includes 200 questions and simulates the real exam in every aspect, including scope, difficulty level, format, and number of questions in each LEED category. It includes questions, answers, and explanations. This book is small and easy to carry around. You can read it whenever you have spare minutes. It is an indispensable resource for ordinary people, developers, brokers, contractors, administrators, architects, landscape architects, engineers, interns, drafters, designers, and other design professionals. All our books are available at GreenExamEducation.com Check out FREE tips and info for all LEED Exams and ARE Exams at GeeForums.com, you can post jpeg files of your vignettes or your questions for other users' review and responses.

Written by 6 professors, each with a Ph.D. in Civil Engineering; A detailed description of the examination and suggestions on how to prepare for it; 195 exam, essay, and multiple-choice problems with a total of 510 individual questions; A complete 24-problem sample exam; A detailed step-by-step solution for every problem in the book; This book may be used as a separate, stand-alone volume or in conjunction with Civil Engineering License Review, 14th Edition (0-79318-546-7). Its chapter topics match those of the License Review book. All of the problems have been reproduced for each chapter, followed by detailed step-by-step solutions. Similarly, the 24-problem sample exam (12 essay and 12 multiple-choice problems) is given, followed by step-by-step solutions to the exam. Engineers looking for a CE/PE review with problems and solutions will buy both books. Those who want only an elaborate set of exam problems, a sample exam, and detailed solutions to every problem will purchase this book. 100% problems and solutions.

A review specifically for the latest version of the Civil Engineering/Professional Engineer Exam. Covers exam topics in 12 sections: Buildings; Bridges; Foundations and Retaining Structures; Seismic Design; Hydraulics; Engineering Hydrology; Water Treatment/Distribution; Wastewater Treatment; Geotechnical/Soils Engineering; and Ideal for the new breadth/depth exam A detailed discussion of the exam and how to prepare for it 335 essay and multiple-choice exam problems with a total of 650 individual questions A complete 24-problem sample exam Updated for 1997 UBC and all of the latest codes Appendix on Engineering Economy Since some states do not allow books containing solutions to be taken into the CE/PE Exam, the end-of-chapter problems do not have the solutions in this book.

Peterson's Graduate Programs in Engineering & Applied Sciences 2012 contains a wealth of information on accredited institutions offering graduate degree programs in these fields. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, requirements, expenses, financial support, faculty research, and unit head and application contact information. There are helpful links to in-depth descriptions about a specific graduate program or department, faculty members and their research, and more. There are also valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.

FUNDAMENTALS OF GEOTECHNICAL ENGINEERING, 5E offers a powerful combination of essential components from Braja Das' market-leading books: PRINCIPLES OF GEOTECHNICAL ENGINEERING and PRINCIPLES OF FOUNDATION ENGINEERING in one cohesive book. This unique, concise geotechnical engineering book focuses on the fundamental concepts of both soil mechanics and foundation engineering without the distraction of excessive details or cumbersome alternatives. A wealth of worked-out, step-by-step examples and valuable figures help readers master key concepts and strengthen essential problem solving skills. Prestigious authors Das and Sivakugan maintain the careful balance of today's most current research and practical field applications in a proven approach that has made Das' books leaders in the field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Professional Engineers Report Peterson's Graduate Programs in Biomedical Engineering & Biotechnology, Chemical Engineering, and Civil & Environmental Engineering 2011 Sections 5-7 of 20 Peterson's

Complete review and practice for the geotechnical section of the civil PE exam and the California GE exam. Learn to solve geotechnical problems in the most efficient manner. Topics Covered Earthworks Rock Mechanics Soil Settlement Shallow/Deep Foundations Effective Stress Bearing Capacity Earth Pressures Retaining Walls Sheet Piles

Peterson's Graduate Programs in Engineering & Applied Sciences contains a wealth of information on colleges and universities that offer graduate degrees in the fields of Aerospace/Aeronautical Engineering; Agricultural Engineering & Bioengineering; Architectural Engineering, Biomedical Engineering & Biotechnology; Chemical Engineering; Civil & Environmental Engineering; Computer Science & Information Technology; Electrical & Computer Engineering; Energy & Power engineering; Engineering Design; Engineering Physics; Geological, Mineral/Mining, and Petroleum Engineering; Industrial Engineering; Management of Engineering & Technology; Materials Sciences & Engineering; Mechanical Engineering & Mechanics; Ocean Engineering; Paper & Textile Engineering; and Telecommunications. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. As an added bonus,

readers will find a helpful "See Close-Up" link to in-depth program descriptions written by some of these institutions. These Close-Ups offer detailed information about the specific program or department, faculty members and their research, and links to the program Web site. In addition, there are valuable articles on financial assistance and support at the graduate level and the graduate admissions process, with special advice for international and minority students. Another article discusses important facts about accreditation and provides a current list of accrediting agencies.

There's nothing like a practice exam to help you get ready for the real thing, and this book gives you two. Each 2-hour exam is designed to prepare you for the seismic questions on the California Special Civil Engineer exam. Step-by-step solutions are provided for all 94 multiple-choice problems. Please note that the problems reference the 2001 CBC.

Instant access to the latest geotechnical engineering data Fully updated to include the 2012 International Building Code (IBC), Geotechnical Engineer's Portable Handbook, Second Edition, features a wealth of on-the-job geotechnical and construction related information in a convenient, quick-reference format. This practical resource is filled with essential data, formulas, and guidelines you can access right away. Detailed tables, charts, graphs, and illustrations are included throughout the book for ease of use in the field. Coverage includes: Field exploration Laboratory testing Soil and rock classification Phase relationships Effective stress and stress distribution Shear strength Permeability and seepage Settlement analyses Bearing capacity analyses Pavement and pipeline design Expansive soil Slope stability Geotechnical earthquake engineering Erosion analyses Retaining walls Deterioration Foundations Grading and other site improvement methods Groundwater and percolation tests Excavation, underpinning, and field lead tests Geosynthetics Instrumentation International Building Code regulations for soils International Building Code regulations for foundations

Peterson's Graduate Programs in Management of Engineering & Technology, Materials Sciences & Engineering, and Mechanical Engineering & Mechanics contains a wealth of information on colleges and universities that offer graduate work these exciting fields. The institutions listed include those in the United States and Canada, as well as international institutions that are accredited by U.S. accrediting bodies. Up-to-date information, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. Readers will find helpful links to in-depth descriptions that offer additional detailed information about a specific program or department, faculty members and their research, and much more. In addition, there are valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.

Peterson's Graduate Programs in Ocean Engineering, Paper & Textile Engineering, and Telecommunications contains a wealth of information on colleges and universities that offer graduate degrees in these fields. The profiled institutions include those in the United States, Canada, and abroad that are accredited by U.S. accrediting bodies. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. Readers will find helpful links to in-depth descriptions that offer additional detailed information about a specific program or department, faculty members and their research, and much more. In addition, there are valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.

This book is one out of six IAEG XIII Congress and AEG 61st Annual Meeting proceeding volumes, and deals with topics related to the advances made in engineering geology with emphasis on education, soil and rock properties, and modeling. The theme of the IAEG/AEG Meeting, held in San Francisco from September 17-21, 2018, is Engineering Geology for a Sustainable World. The meeting proceedings analyze the dynamic role of engineering geology in our changing world. The meeting topics and subject areas of the six volumes are: Slope Stability: Case Histories, Landslide Mapping, Emerging Technologies; Geotechnical and Environmental Site Characterization; Mining, Aggregates, Karst; Dams, Tunnels, Groundwater Resources, Climate Change; Geologic Hazards: Earthquakes, Land Subsidence, Coastal Hazards, and Emergency Response; and Advances in Engineering Geology: Education, Soil and Rock Properties, Modeling.

Provides information about admission, financial aid, programs and institutions, and research specialties within the fields of engineering and applied sciences, including civil engineering, information technology, and bioengineering.

Peterson's Graduate Programs in Biomedical Engineering & Biotechnology, Chemical Engineering, and Civil & Environmental Engineering contains a wealth of information on colleges and universities that offer graduate degrees in these cutting-edge fields. The institutions listed include those in the United States, Canada, and abroad that are accredited by U.S. accrediting bodies. Up-to-date data, collected through Peterson's Annual Survey of Graduate and Professional Institutions, provides valuable information on degree offerings, professional accreditation, jointly offered degrees, part-time and evening/weekend programs, postbaccalaureate distance degrees, faculty, students, degree requirements, entrance requirements, expenses, financial support, faculty research, and unit head and application contact information. Readers will find helpful links to in-depth descriptions that offer additional detailed information about a specific program or department, faculty members and their research, and much more. In addition, there are valuable articles on financial assistance, the graduate admissions process, advice for international and minority students, and facts about accreditation, with a current list of accrediting agencies.

This book is derived from Chapter 3 of Civil Engineering License Review and Civil Engineering License Problems and Solution. It contains the complete review of the topic, example questions with step-by-step solutions and end of chapter practice problems. All the problems and solutions you need to review for the bridge structures portion of the Professional Engineer exam for Civil Engineering. The book includes 44 review problems with complete step-by-step solutions and provides a code-specific review.

There's never been a better time to "be prepared." Matthew Stein's comprehensive primer on sustainable living skills—from food and water to shelter and energy to first-aid and crisis-management skills—prepares you to embark on the path toward sustainability. But unlike any other book, Stein not only shows you how to live "green" in seemingly stable times, but to live in the face of potential disasters, lasting days or years, coming in the form of social upheaval, economic meltdown, or environmental catastrophe. When Technology Fails covers the gamut. You'll learn how to start a fire and keep warm if you've been left temporarily homeless, as well as the basics of installing a renewable energy system for your home or business. You'll learn how to find and sterilize water in the face of utility failure, as well as practical information for dealing with water-quality issues even when the public tap water is still flowing. You'll learn alternative techniques for healing equally suited to an era of profit-driven malpractice as

to situations of social calamity. Each chapter (a survey of the risks to the status quo; supplies and preparation for short- and long-term emergencies; emergency measures for survival; water; food; shelter; clothing; first aid, low-tech medicine, and healing; energy, heat, and power; metalworking; utensils and storage; low-tech chemistry; and engineering, machines, and materials) offers the same approach, describing skills for self-reliance in good times and bad. Fully revised and expanded—the first edition was written pre-9/11 and pre-Katrina, when few Americans took the risk of social disruption seriously—When Technology Fails ends on a positive, proactive note with a new chapter on "Making the Shift to Sustainability," which offers practical suggestions for changing our world on personal, community and global levels.

The Civil Engineering FE Exam Preparation Workbook is a discipline-specific workbook based on the NCEES FE Reference Handbook, 9.0 Version for Computer-Based Testing. This book clearly addresses the newly-formatted 2014 Civil Engineering FE exam specifications, providing efficient preparation for the FE Civil exam. Features of the Civil Engineering FE Exam Preparation Workbook include: Provides over 600 exam-like solved problems References equations and notations from the NCEES handbook Guides readers from problems to applicable NCEES equations with numerous footnotes Exam Topics Covered Mathematics Probability and Statistics Computer Methods Ethics and Professional Conduct Engineering Economics Statics Dynamics Mechanics of Materials Materials Fluid Mechanics Hydraulics and Hydrology Structural Analysis Structural Design Geotechnical Engineering Transportation Engineering Environmental Engineering Construction Surveying

Publisher Description

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