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The Electrical Engineer's Guide to passing the Power PE Exam **SPE Petroleum Engineering Certification and PE License Exam Reference Guide** Civil Engineering Reference Manual for the PE Exam **Study Guide for the Professional Licensure of Mining and Mineral Processing Engineers, 8th Edition** **Environmental Engineering Reference Manual for the PE Exam** *FE - EIT: AM (Engineer in Training Exam)* **Chemical Engineering Review for PE Exam** **Quick Reference for the Civil Engineering PE Exam Requirements** **Engineering Fundamentals, 2nd Edition** Asbog Exam Secrets Study Guide Study Guide for the Professional Licensure of Mining and Mineral Processing Engineers **Civil Engineering Reference Manual for the PE Exam** **How to Become a Professional Engineer** **Electrical Engineering Problems and Solutions** **FE Mechanical Practice Problems** **Structural Engineering SE All-in-One Exam Guide: Breadth and Depth, Second Edition** **PE Civil Reference Manual Synopsis of State Engineering Registration Laws and Policies and Procedures of State Boards** *EIT Review Manual* **Chemical Engineering Structural Engineer License Review: Problems and Solutions: For Civil and Structural Engineers** **Requirements Engineering Fundamentals 101 Solved Civil Engineering Problems** Fundamentals of Engineering FE Civil All-in-One Exam Guide *Civil Engineering* How to Pass an Architecture & Eng'g Licensure Exam *Engineer Your Own Success* Chemical Engineering *Civil Engineering* *Pe Practice Exams* *Mechanical Engineering Reference Manual for the PE Exam* Quick Reference for the Chemical Engineering PE Exam *PS Reference Handbook* **Engineering & Contracting** **FE Electrical and Computer Review Manual** *Engineering and Contracting* Annual Report of the Board of Registration for Professional Engineers and Land Surveyors **How to Become a Professional Engineer** **Sample Examinations: Civil engineering** The Best Test Preparation & Review Course FE/EIT Fundamentals of Engineering/engineer-in-training Seismic Principles Practice Exams for the California Special Civil Engineer Examination

As the most comprehensive reference and study guide available for engineers preparing for the breadth-and-depth mechanical PE examination, the twelfth edition of the Mechanical Engineering Reference Manual provides a concentrated review of the exam topics. Thousands of important equations and methods are shown and explained throughout the Reference Manual, plus hundreds of examples with detailed solutions demonstrate how to use these equations to correctly solve problems on the mechanical PE exam. Dozens of key charts, tables, and graphs, including updated steam tables and two new charts of LMTD heat exchanger correction factors, make it possible to work most exam problems using the Reference Manual alone. A complete, easy-to-use index saves you valuable time during the exam as it helps you quickly locate important information needed to solve problems. _____ Since 1975 more than 2 million people preparing for their engineering, surveying, architecture, LEED®, interior design, and landscape architecture exams have entrusted their exam prep to PPI. For more information, visit us at www.ppi2pass.com. Focusing on basic skills and tips for career enhancement, Engineer Your Own Success is a guide to improving efficiency and performance in any engineering field. It imparts valuable organization tips, communication advice, networking tactics, and practical assistance for preparing for the PE exam—every necessary skill for success. Authored by a highly renowned career coach, this book is a battle plan for climbing the rungs of any engineering ladder. Prepare for your Professional Engineer exam with this 8th edition of SME's study guide. This handy workbook lets you know what to expect and provides the opportunity to practice your test-taking skills. The text covers what licensing can do for you, outlines the engineering licensure process, highlights the steps to licensure, summarizes the application process, and provides test-taking strategies specific to the PE exam. The text also includes a chapter on ethics for professional engineers and details the rules of professional conduct from the National Council of Examiners for Engineering and Surveying (NCEES). The Study Guide provides the important references that should be studied for the PE exam as well as a list of other helpful resources. Perhaps the most useful element is a sample test, including the solutions, that is similar in content and format to the actual Principles and Practice of Engineering licensure exam. Although the practice exam cannot include all the possible subject matter that may appear on the actual exam, you'll find it beneficial to practice answering the types of questions that will appear on the test. The Society for Mining, Metallurgy & Exploration (SME) advances the worldwide mining and minerals community through information exchange and professional development. SME plays a central role in the licensure process for professional engineers through its Professional Engineers Exam Committee and its affiliation with NCEES. ASBOG Exam Secrets helps you ace the National Association of State Boards of Geology Examination, without weeks and months of endless studying. Our comprehensive ASBOG Exam Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. ASBOG Exam Secrets includes: The 5 Secret Keys to ASBOG Exam Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Comprehensive sections including: Field Methods/Geophysics/Modeling, Types of Faults, Law of Initial Horizontality, Radiometric Methods, Rule of V's, Geomorphic Characteristics of a Fault, Orogenic Events, Field Investigations, Standard Penetration Test (SPT), Ground Penetrating Radar (GPR), Snell's Law, Spontaneous Potential (SP), Gamma Radiation, Side-Looking Airborne Radar (SLAR), Hydrogeology/Environmental Geochemistry, Porosity and Permeability, Containment of Water in Underground Structures, Hydrogeological Investigation, Hydrologic Budget Equation, Ground-water Inventory Equation, Bernoulli Equation, Aquifers, Porosity, Values of Specific Yield, Storativity or Storage coefficient, Transmissivity, Bailer Test, The Theis Equation and Method, Dupuit Equation, Ground Water Studies, and much more... Requirements engineering tasks have become increasingly complex. In order to ensure a high level of knowledge and competency among requirements engineers, the International Requirements Engineering Board (IREB) developed a standardized qualification called the Certified Professional for Requirements Engineering (CPRE). The certification defines the practical skills of a requirements engineer on various training levels. This book is designed for self-study and covers the curriculum for the Certified Professional for Requirements Engineering Foundation Level exam as defined by the IREB. The 2nd edition has been thoroughly revised and is aligned with the curriculum Version 2.2 of the IREB. In addition, some minor corrections to the 1st edition have been included. About IREB: The mission of the IREB is to contribute to the standardization of further education in the fields of business analysis and requirements engineering by providing syllabi and examinations, thereby achieving a higher level of applied requirements engineering. The IRE Board is comprised of a balanced mix of independent, internationally recognized experts in the fields of economy, consulting, research, and science. The IREB is a non-profit corporation. For more information visit www.certified-re.com. Two Full Breadth Practice Exams for the Civil Engineering PE Exam Contains 80 problems that are representative of the actual Civil Engineering PE Exam. Each question has been designed in accordance with the latest NCEES specifications. These questions were created by real, practicing civil engineers that are familiar with the actual exam. Each question comes with a detailed solution to help you study efficiently and effectively. Register your book at CivilPEPractice.com for additional practice questions! Exam Topics Covered: Project Planning Means and Methods Soil Mechanics Structural Mechanics Hydraulics and Hydrology Geometrics Materials Site Development The ONLY book with 3 full-length, 4-hour exams, plus 12 comprehensive reviews for the AM portion of the FE(EIT). Step-by-step explanations are presented. Knowledge of the first 90 semester credit

hours of a typical engineering program are tested. Thorough reviews are provided for all areas tested on the FE, including the two new sections, Computers and Ethics. For engineering students who are pursuing an 'Engineer-in- Training' certification. Requirements engineering tasks have become increasingly complex. In order to ensure a high level of knowledge and competency among requirements engineers, the International Requirements Engineering Board (IREB) developed a standardized qualification called the Certified Professional for Requirements Engineering (CPRE). The certification defines the practical skills of a requirements engineer on various training levels. This book is designed for self-study and covers the curriculum for the Certified Professional for Requirements Engineering Foundation Level exam as defined by the IREB. **The 2nd edition** has been thoroughly revised and is aligned with the curriculum Version 2.2 of the IREB. In addition, some minor corrections to the 1st edition have been included. **About IREB:** The mission of the IREB is to contribute to the standardization of further education in the fields of business analysis and requirements engineering by providing syllabi and examinations, thereby achieving a higher level of applied requirements engineering. The IRE Board is comprised of a balanced mix of independent, internationally recognized experts in the fields of economy, consulting, research, and science. The IREB is a non-profit corporation. For more information visit www.certified-re.com Prepare for your Professional Engineering exam with this new edition of SME's Study Guide for the Professional Licensure of Mining and Mineral Processing Engineers. This handy workbook lets you know what to expect and provides an opportunity to practice your test-taking skills. The text covers the history of professional licensure and the Mining and Minerals Processing exam, explains what licensing can do for you, outlines the engineering licensure process, highlights the six steps to licensure, covers the application process, includes the National Council of Examiners for Engineering and Surveying Model Rules of Professional Conduct and NEEES publications, and describes the testing process. Perhaps the most useful element is a sample test, complete with questions and answers, that is similar in content and format to an actual principles and practice (PE) licensure exam. This thorough study guide provides comprehensive review material and practice questions specific to chemical engineering. Two full-length practice tests are designed to prepare students for the FE: PM exam in chemical engineering. Detailed explanations to every question are included. Topics covered include heat transfer, chemical thermodynamics, and more. Written for the Structural Engineering I and II Exams and the California Structural Engineering Exam. Includes more than 70 problems and step-by-step solutions from recent exams; Offers 18 HP-48G calculator programs, which include 6 concrete, 3 masonry, 3 timber, 4 steel, and 2 proper ties of sections design programs; Reflects current publications of SEAOC and FEMA; Conforms to the 1997 edition of the UBC; Provides comprehensive clarification of applicable; Building Codes and Standard Specifications; Uses provisions of the 1999 SEAOC bluebook, 1999 FEMA Advisory No. 2, 2000 FEMA 350 Design of Steel Moment Frame Buildings, and 1997 AISC Seismic Provisions Cites extensive reference publications that reflect current design procedures Prepare to pass the computer-based FE Electrical and Computer exam with PPI's FE Electrical and Computer Review Manual. 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. This up-to-date self-study system delivers comprehensive coverage of all topics on the current version of the Structural Engineering SE exam This up-to-date self-study guide provides comprehensive coverage of all topics expected on the current version of the SE exam. Structural Engineering SE All-in-One Exam Guide: Breadth and Depth, Second Edition offers background material, real-world examples, updated regulations and requirements, sample problems, and realistic practice exams, both multiple choice and essay. Written by a practicing engineer and a former exam developer and grader, Structural Engineering SE All-in-One Exam Guide: Breadth and Depth, Second Edition will focus and enhance your preparation for the 16-hour Structural Engineering exam produced by NCEES and adopted by your jurisdiction. This book prepares you for every topic expected to be on the exam, including building systems, structural analysis, seismic and wind analysis, structural materials, bridges, and simple and complex code provisions. You will learn strategies for taking the exam and gain insight into how the test is written and graded. Coverage includes: An introduction to exam preparation and professional licensure Design codes and general loading Computer modeling and verification Construction administration and quality control Structural analysis Reinforced and prestressed concrete design Masonry design Foundation and retaining wall design Structural and cold-formed steel design Timber design Seismic loading Wind loading Bridge design *Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$30 at ppi2pass.com/etextbook-program. * FE Mechanical Practice Problems offers comprehensive practice for the NCEES FE Electrical and Computer exam. FE Mechanical Practice Problems features include: over 460 three-minute, multiple-choice, exam-like practice problems to illustrate the type of problems you'll encounter during the exam clear, complete, and easy-to-follow solutions to deepen your understanding of all knowledge areas covered in the exam step-by-step calculations using equations and nomenclature from the NCEES FE Reference Handbook to familiarize you with the reference you'll have on exam day Exam Topics Covered Computational Tools Dynamics, Kinematics, and Vibrations Electricity and Magnetism Engineering Economics Ethics and Professional Practice Fluid Mechanics Heat Transfer Material Properties and Processing Mathematics Materials Measurement, Instrumentation, and Controls Mechanical Design and Analysis Mechanics of Materials Probability and Statistics Statics Thermodynamics Establish your professional credentials as a registered P.E. with Chemical Engineering A Review for the P.E. Exam The only P.E. examguide that conforms to the new NCEE guidelines! * Guides you step-by-step through every topic covered in the exam. * Follows NCEE question format and subject emphasis. * Practice exercises and problems, problem-solving strategies, and solutions. * Detailed coverage of thermodynamics, process design, mass transfer, heat transfer, chemical kinetics, fluid flow, and engineering economics. A concise, thorough guide for those who want to earn their Professional Engineer (PE) license. Topics include: benefits of the PE license; who needs to register; how to qualify for the exam; how to document engineering experience; what the exams are like; test-taking tips and strategy. This is a review book for people planning to take the PE exam in Chemical Engineering. Prepared specifically for the exam used in all 50 states. It features 188 new PE problems with detailed step by step solutions. The book covers all topics on the exam, and includes easy to use tables, charts, and formulas. It is an ideal desk companion to DAS's Chemical Engineer License Review. It includes sixteen chapters and a short PE sample exam as well as complete references and an index. Chapters include the following topical areas: * Material and energy balances * Fluid dynamics * Heat transfer * Evaporation * Distillation * Absorption * Leaching * Liq-liq extraction * Psychrometry and humidification * Drying * Filtration * Thermodynamics * Chemical kinetics * Process control * Mass transfer * Plant safety The ideal study guide, this book brings all elements of professional problem solving together in one BIG BOOK. It is also an ideal desk reference, and it answers hundreds of the most frequently asked questions. It is the first truly practical, no-nonsense problem and solution book for the difficult PE exam. Full step-by-step solutions are additionally included. A concise, thorough guide for those who want to earn their Professional Engineer (PE) license. Topics include: benefits of the PE license; who needs to register; how to qualify for the exam; how to document engineering experience; what the exams are like; test-taking tips and strategy. NEW EDITION *Add the convenience of accessing this book anytime, anywhere on your personal device with the eTextbook version for only \$50 at ppi2pass.com/etextbook-program. * The PE Civil Reference Manual, formerly known as Civil Engineering Reference Manual for the PE Exam is the most comprehensive textbook for the NCEES PE Civil exam. This book's time-tested organization and clear explanations start with the basics to help you get up to speed with common civil engineering concepts. Together, the 90 chapters provide an in-depth review of all of the topics, codes, and standards listed in the NCEES PE Civil exam specifications. The extensive index contains thousands of entries, with multiple entries included for each topic, so you can easily find the codes and concepts you will need during the exam. This book features: over 100 appendices containing essential support material over 500 clarifying examples over 550 common civil engineering terms defined in an easy-to-use glossary thousands of equations, figures, and tables industry-standard terminology and nomenclature equal support of U.S. customary and SI units After you pass your exam, the PE Civil Reference Manual will continue to serve as an invaluable reference throughout your civil engineering career. Topics Covered Civil Breadth Project Planning; Means and Methods; Soil Mechanics; Structural Mechanics; Hydraulics and Hydrology; Geometrics; Materials; Site Development * Construction Earthwork Construction and Layout; Estimating Quantities and Costs; Construction Operations and Methods; Scheduling; Material Quality Control and Production; Temporary Structures; Health and Safety * Geotechnical Site Characterization; Soil Mechanics, Laboratory Testing, and Analysis; Field Materials Testing, Methods, and Safety; Earthquake Engineering and Dynamic Loads; Earth Structures; Groundwater and Seepage; Problematic Soil and Rock

Conditions; Earth Retaining Structures; Shallow Foundations; Deep Foundations * Structural Analysis of Structures; Design and Details of Structures; Codes and Construction * Transportation Traffic Engineering; Horizontal Design; Vertical Design; Intersection Geometry; Roadside and Cross-Section Design; Signal Design; Traffic Control Design; Geotechnical and Pavement; Drainage; Alternatives Analysis * Water Resources and Environmental Analysis and Design; Hydraulics-Closed Conduit; Hydraulics-Open Channel; Hydrology; Groundwater and Wells; Wastewater Collection and Treatment; Water Quality; Drinking Water Distribution and Treatment; Engineering Economic Analysis

Of all the PE exams, more people take the civil than any other discipline. The eight-hour, open-book, multiple-choice exam is given every April and October. The exam format is breadth-and-depth -- all examinees are tested on the breadth of civil engineering in the morning session; in the afternoon, they select one of five specialties to be tested on in-depth. Our civil PE books are current with the exam; they reflect the new format, and they reference all the same codes used on the exam. Quick Reference, which facilitates finding formulas during the exam; and subject-specific reviews on the complex areas of bridge and timber design. -- Organizes all important formulas for fast access during the exam -- Corresponds to topics in the Civil Engineering Reference Manual, 8th ed. 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 practice problems at the end of each chapter. Also in this book are all of the problems and solutions needed to review for the bridge structures portion of the "Professional Engineer exam for Civil Engineering. The book also includes 44 review problems with complete step-by-step solutions. Additionally, it provides a code-specific review. Comprehensive review of topics for the civil PE exam, with hundreds of solved sample problems. Updated with new codes and standards tested on the exam. This highly effective study guide offers 100% coverage of every subject on the FE Civil exam This self-study resource contains all of the information you need to prepare for and pass the challenging FE Civil exam on the first try. The book features clear explanations of every topic on the exam as well as hands-on exam strategies and accurate practice problems with fully worked solutions. Organized to follow the order of the official exam syllabus, the book includes references to the official FE Reference Handbook along with tips on how to utilize that resource during the exam itself. Written by a leading civil engineering educator and exam coach, Fundamentals of Engineering FE Civil All-in-One Exam Guide helps you pass the exam with ease. •Contains complete coverage of all objectives for the FE Civil exam•Follows the exact order of the official exam syllabus •Written by an experienced educator and researcher

Of all the PE exams, more people take the civil than any other discipline. The eight-hour, open-book, multiple-choice exam is given every April and October. The exam format is breadth-and-depth -- all examinees are tested on the breadth of civil engineering in the morning session; in the afternoon, they select one of five specialties to be tested on in-depth. Our civil PE books are current with the exam; they reflect the new format, and they reference all the same codes used on the exam. 101 Solved Problems, for extra problem-solving practice. -- Practice problems in essay format cover a wide range of breadth-and-depth exam topics -- Includes full solutions

The environmental PE exam is growing in popularity, as more engineers seek licensing in this discipline. This eight-hour, open-book exam, offered every April and October, consists of 80 multiple-choice problems. Our Environmental Engineering Reference Manual is the core text examinees need to prepare for and use during the exam. It reviews the current exam topics clearly and concisely and is replete with examples and practice problems reinforcing important concepts. This Reference Manual gives examinees comprehensive understanding of the subjects tested on the exam and helps them learn to work exam-like problems. The book includes more than 350 practice problems, hundreds of solved example problems, test-taking strategy, and a detailed index. Among the topics covered: Mathematics Flow of fluids Water & wastewater treatment Activated sludge Ventilation Fuels & combustion Air quality Solid & hazardous waste Environmental health, safety & welfare Systems & management Chemical Engineering

Sample Exams offers the most complete set of sample exams available with step-by-step solutions to every problem in the book. It is a superb reference guide, and it provides ample practice for the exams, including the new breadth/depth exams. The ideal refresher for those still in school or recently graduated, or for those who have limited time to study, this guide covers all the general FE/EIT exam subjects. Each chapter provides a definition of terms and a concise discussion of concepts. In addition, there are 900+ practice problems and a complete eight-hour practice exam. Solutions to both the practice problems and the practice exam are included. All formulas, equations, tables, and data you are most likely to require during the exam are drawn from the Chemical Engineering Reference Manual, organized by topic, and indexed for speedy retrieval. Annotation Companion book to Electrical Engineering License Review. Here the end-of-chapter problems have been repeated and detailed Step-by-Step solutions are provided. Also included is a sample exam (same as 35X below), with detailed step-by-step solutions. 100% Problems and Solutions. 16TH EDITION AVAILABLE SOON

The Civil Engineering Reference Manual is the most comprehensive textbook for the NCEES Civil PE exam. This book's time-tested organization and clear explanations start with the basics to help you quickly get up to speed with common civil engineering concepts.

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