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NEW EDITION PE Civil Practice Problems contains over 900 problems designed to reinforce your knowledge of the topics presented in the PE Civil Reference Manual. Short, six-minute, multiple-choice problems follow the NCEES PE Civil exam problem format and focus on individual engineering concepts. Longer, more complex problems challenge your skills in identifying and applying related engineering concepts. Problems will also familiarize you with the codes and standards you'll use on the exam. Solutions are clearly written, complete, and easy to follow. U.S. customary and SI units are equally supported, and units are meticulously identified and carried through in all calculations. All solution methodologies permitted by the NCEES PE Civil exam (e.g., ASD and LRFD) are presented. Frequent references to figures, tables, equations, and appendices in the PE Civil Reference Manual and the exam-adopted codes and standards will direct you to relevant support material. 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 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 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. Complete solutions to these problems are found in the Practice Problems book, which examinees can use to learn or refresh solving skills. -- Step-by-step solutions to all the practice problems in the Environmental Engineering Reference Manual The best way to prepare for the mechanical PE exam is to solve problems--the more problems the better. Practice Problems for the Mechanical Engineering PE Exam provides you with the breadth-and-depth problem-solving practice you need to successfully prepare for the exam. Build your confidence and improve your problem-solving skills More than 500 problems, similar in format and difficulty to the actual exam Coordinated with the chapters of the Mechanical Engineering Reference Manual Step-by-step solutions explain how to reach the correct answers most efficiently Comprehensive coverage of exam topics "The Mechanical Engineering Reference Manual, along with the Practice Problems and the Sample Exam, successfully prepared me for the exam." --Adam Ross, PE, Mechanical Engineer This book is intended for engineers preparing for the Machine Design and Materials Professional Engineer Exam in Mechanical Engineering. In addition to in-depth coverage of Statics, Mechanics of Materials, Dynamics and Vibrations, Machine Design, and Materials Engineering, it also contains basic material on Hydraulics, Electrical Circuits, and Engineering Economy. 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 a spiral bound option. This more practical design allows for more efficient use during exam preparation and on test day. A streamlined study guide focusing on the majority of subjects required for the Professional Engineer Exam in the Electric Power discipline. 300 pages including a practice exam with detailed solutions. The Pass the Civil Professional Engineering (P.E.) Exam Guide Book was developed because practice is the most essential component to passing the Civil Professional Engineering (P.E.) Exam. Training with materials similar in format, timing, language, and style will help to master the exam when it counts the most. The passthecivilPE Guide Book provides necessary information in the form of a combined practice exam and study guide that will deliver utmost confidence for the passing the Civil Professional Engineering (P.E.) Exam. P.E. for P.E. (Practice Examples for Professional Engineering Exam) is book written for preparation of the civil engineering PE exam with the emphasis on Geotechnical Engineering. The book contains more than 150 problems covering soil mechanics, earth retaining structures, pile foundations, earthwork, construction, estimating, shallow foundations, earthquake engineering etc. This book contains 4 sections: 1. Formulas & tables 2. Questions 3. Answer keys 4. Solutions This book is useful for both morning breadth session and afternoon depth session. Book is written in accordance with PE Exam topics administered by "National Council of Examiners for Engineering and Surveying" (NCEES) with emphasis on Geotechnical Engineering. 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. 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. \*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.\* Current for the 2018 exam specs. Use with Mechanical PE Exam specific practice exams and six-minute problem books. \*\* New Practice Exams and Six-Minute Problem Books Now Available for New PE Mechanical Exams\*\* The following new titles are available from the Publisher PPI on Amazon. Free study schedules to support the new exams are available on ppi2pass.com. -PE Mechanical HVAC and Refrigeration Practice Exam (MEHRPE) and HVAC and Refrigeration Six-Minute Problems (MEHR SX2) -PE Mechanical Thermal and Fluids Systems Practice Exam (METSPE) and Thermal and Fluids Systems Six-Minute Problems (METSSX2) -PE Mechanical Machine Design and Materials Practice Exam (MEMDPE) and Machine Design and Materials Six-Minute Problems (MEMDSX2). Comprehensive Mechanical Engineering Coverage You Can Trust The Mechanical Engineering Reference Manual is the most comprehensive textbook for the Mechanical PE exam. This book's time-tested organization and clear explanations start with the basics to help you quickly get up to speed on common mechanical engineering concepts. Together, the 76 chapters provide an in-depth review of NCEES Mechanical PE exam topics. The extensive index contains thousands of terms, most indexed in a variety of ways, in anticipation of how you'll search for them. Features of the Mechanical Engineering Reference Manual: over 120 appendices containing essential support material over 375 clarifying example problems 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 Mechanical Engineering Reference Manual will

continue to serve as an invaluable reference throughout your mechanical engineering career. Topics Covered: Dynamics and Vibrations: Kinematics; Kinetics; Power Transmission Systems; Vibrating Systems Materials: Engineering Materials Properties and Testing; Thermal Treatment of Metals Fluids: Fluid Properties; Fluid Statics; Fluid Flow Parameters; Fluid Dynamics; Hydraulic Machines Power Cycles: Vapor, Combustion, and Nuclear Power Cycles; Refrigeration and Gas Compression Cycles HVAC: Psychrometrics; Fans, Ductwork, and Ventilation; Heating and Cooling Loads; Air Conditioning Systems Heat Transfer: Natural Convection; Evaporation; Condensation; Forced Convection; Radiation Machine Design: Basic and Advanced Machine Design; Pressure Vessels Thermodynamics: Inorganic Chemistry; Fuels and Combustion; Properties of Substances Control Systems: Modeling and Analysis of Engineering Systems Plant Engineering: Manufacturing Processes; Instrumentation and Measurements; Materials Handling and Processing; Fire Protection Systems; Environmental Pollutants and Remediation; Hazardous Material Storage and Disposal Fundamentals: Math Review; Probability; Statics; Engineering Economic Analysis Law and Ethics: Engineering Law; Ethics What's New in This Edition 36 chapters with new material, and 46 chapters with revisions to existing material 300 new equations, and 128 updated equations 27 new tables, and 31 updated tables 7 new examples, and 34 updated examples 10 new appendices, and 27 updated appendices 35 new figures, and 28 updated figures 1,094 new index entries, and 108 updated index entries Get your Mechanical Exam Study Schedules. Visit [ppi2pass.com/downloads](http://ppi2pass.com/downloads). Provides the breadth and depth of problem-solving practice needed to successfully prepare for the PE exam. This book is an essential resource for candidates who are preparing for the Principles and Practice of Engineering (P.E.) examination in architectural engineering.

Spin-Up for the Electrical and Computer Engineering PE Exam (Power) - Second Edition with five sample exams containing 400 sample questions and solutions. The book contains a good mixture of quantitative and qualitative sample problems to build confidence. An excellent diagnostic tool to identify areas for improvements and gaps in reference material. Provides test taking strategy. Improves your process of elimination for answer choices. Includes Questions for the 2011 NEC. Civil Engineering PE Exam Secrets helps you ace the Principles and Practice of Engineering - Civil Engineering Exam without weeks and months of endless studying. Our comprehensive Civil Engineering PE 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. Civil Engineering PE Exam Secrets includes: The 5 Secret Keys to Civil Engineering PE 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; A comprehensive Content review including: Excavation, OSHA, Benching, Sloping, Mass Diagram, Chemical Hazards, Topographic Survey Map, Global Positioning System (GPS), Aerial Mapping Equipment, Temporary Structures, Hazen Uniformity Coefficient, Porosity, Cone Penetrometer Test, Plastic Limit, Expansion Joints, Cantilever Retaining Wall, Schmertmann Method, Gravity Retaining Wall, Liquefaction, Live Loads, Equivalent Force, Stable, Shear Diagram, Bending Moment Diagram, Average Tensile Stress, Axial Strain, Compressive Axial Force, Modulus of Rupture, Factored Load, Point Of Curvature, Horizontal Curve, and much more... Ace the civil engineering PE exam on the first try! Civil Engineering PE All-in-One Exam Guide covers all the material included on the Principles and Practice of Civil Engineering (PE-CIVIL) exam, given by the National Council of Examiners for Engineering and Surveying (NCEES). Presented in the Breadth and Depth format of the actual exam, this authoritative volume features equations, diagrams, exam preparation strategies, and practice questions with solutions. Detailed and comprehensive, this book serves as both a complete certification exam guide and an essential on-the-job reference. Covers all exam topics, including: Structural: materials, member design, design criteria Geotechnical: soil mechanics, foundations, excavation, seismic issues Water resources and environmental: hydraulics, hydrology, water supply and quality, wastewater treatment Transportation: capacity analysis, planning, freeways, multilane highways Construction: scheduling, estimating, quality control, safety The Study Guide for the HVAC & Refrigeration portion of the Mechanical Engineering PE Exam is 86 pages of reference material, example test problems and recommended "test-day" materials for use in preparing to take the HVAC & Refrigeration portion of the Mechanical Engineering PE Exam. The Study Guide was written by a licensed professional engineer (PE) with over 20 years practical experience in HVAC & Refrigeration consulting engineering, project management and construction administration. This study guide will help you be successful on the Mechanical Engineering PE Exam by guiding you through exam preparation and by being a valuable resource on test day. 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 NCEES 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. Architectural Engineering PE Exam Study Guide, version 5.2 contains reference material, example test problems, and recommended "test-day" materials for use in taking the Architectural Engineering PE Exam. Written by a licensed professional engineer (PE) with over 20 years practical experience in consulting engineering, project management, and construction administration. This study will help you prepare for and be successful on the Architectural Engineering PE Exam. There are over 120 example problems and topic discussions covering every category listed on the National Council of Examiners for Engineering and Surveying website. Fully updated for the latest standards and exam content, this complete guide is the only resource engineers need to pass the Civil Engineering PE Exam the first time. Civil Engineering All-in-One PE Exam Guide, Third Edition is the only resource an engineer needs to pass the PE-CIVIL exam administered by the National Council of Examiners in Engineering and Surveying (NCEES). This exam is required by all 50 states for PE certification. The book is formatted to mirror the five subdisciplines of the exam--Structural, Geotechnical, Water Resources, Transportation, and Construction—and follows accepted PE syllabus content. End-of-chapter problems and solutions help you prepare for the exam questions. The third edition has been revised to include changes in design standards for reinforced concrete, structural steel, highway design, and traffic engineering. Chapters on structural engineering are expanded to help you prepare for the new Structural PE exam and a brand-new chapter on Building Analysis and Design is included. New chapter on Building Analysis and Design Updated for changes in codes, design standards, and PE syllabus End-of-chapter practice problems and solutions Covers all material on the NCEES PE Civil Exam Formatted as both a study tool and an on-the-job reference Updated structural chapters will aid those preparing for the 16-hour Structural PE Exam "All-in-One is All You Need." The most complete, up-to-date civil engineering PE exam guide Ace the civil engineering PE exam on the first try! Fully revised for compliance with the new PE Civil syllabus, new specifications, and the latest design standards, Civil Engineering PE All-in- One Exam Guide, Second Edition, covers all the material included on the Principles and Practice of Civil Engineering (PE Civil) exam, given by the National Council of Examiners for Engineering and Surveying (NCEES). Featuring more than 200 pages of new material, this edition includes a new chapter on highway pavement design. This authoritative volume is presented in the Breadth and Depth format of the actual exam and contains equations, diagrams, exam preparation strategies, and more than 150 end-of-chapter practice questions with solutions. Designed to help you pass the exam with ease, this detailed, comprehensive resource also serves as an essential on-the-job reference. **COVERS ALL EXAM TOPICS, INCLUDING:** Structural: loadings, analysis, mechanics of materials, materials, member design Geotechnical: subsurface exploration and sampling, engineering properties of soils and materials, soil mechanics analysis, earth structures, foundations, retaining structures Water resources and environmental: hydraulics, hydrology, water treatment, wastewater treatment Transportation: traffic analysis, geometric design, transportation planning, traffic safety Construction: earthwork construction and layout, estimating quantities and costs, scheduling, material quality control and production, temporary structures PE Chemical Practice Problems (PECHPP) offers comprehensive practice for the NCEES Chemical PE CBT exam. This book is part of a comprehensive learning management system designed to help you pass the PE exam the first time. Civil Engineering Survey Review for the California PE Exam, 3rd Edition offers a complete review of surveying topics for the California Special Civil Engineer Exam. Designed with the busy professional in mind and packed with easy-to-use problems and solutions, engineers will be able to quickly review for the exam. Features Over 100 example questions with solutions **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](http://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

For speedy access to the formulas you'll need during the exam, use the Quick Reference for the Mechanical Engineering PE Exam. This material, drawn from the Mechanical Engineering Reference Manual, is organized by topic and indexed for rapid retrieval. Mechanical Engineering Machine Design and Materials Practice Exam, Second Edition New Edition - Updated for the CBT Exam Build exam-day confidence and strengthen time-management skills Up-to-date to the NCEES exam specifications for the Computer-Based (CBT) PE Mechanical Engineering Machine Design and Materials exam, this book offers comprehensive practice to ensure success on exam day. This mechanical engineering book is part of a comprehensive learning management system designed to help you pass the PE exam the first time. About the exam The NCEES PE Mechanical CBT Exam is an 8-hour computer-based exam. It is closed book with an electronic reference. Examinees have a 9-hour appointment time. The 9-hour time includes a tutorial and optional break. Key Features Complete 80 question PE practice exam for the CBT exam Coverage of all exam knowledge areas Use of NCEES Handbook equations Comprehensive step-by-step solutions Binding: Paperback Publisher: PPI, A Kaplan Company Don't let the real test be your first test! This effective study guide is filled with hundreds of realistic practice questions to use in preparation for the latest edition of the Principles and Practice of Civil Engineering (PE-CIVIL) exam, given by the National Council of Examiners for Engineering and Surveying (NCEES). Detailed solutions, including equations and diagrams, are provided for every question. Civil Engineering PE Practice Exams: Breadth and Depth, Second Edition offers intensive test preparation and is the perfect companion to Civil Engineering PE All-in-One Exam Guide. COVERS ALL EXAM TOPICS, INCLUDING: Structural: materials, member design, design criteria Geotechnical: soil mechanics, foundations, excavation, seismic issues Water resources and environmental: hydraulics, hydrology, water supply and quality, wastewater treatment Transportation: capacity analysis, planning, freeways, multilane highways Construction: scheduling, estimating, quality control, safety \*\*\*Includes Practice Test Questions\*\*\* PLACE Administrator (81) Exam Secrets helps you ace the Program for Licensing Assessments for Colorado Educators, without weeks and months of endless studying. Our comprehensive PLACE Administrator (81) 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. PLACE Administrator (81) Exam Secrets includes: The 5 Secret Keys to PLACE Exam Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Introduction to the PLACE Exam Series including: PLACE Assessment Explanation, Two Kinds of PLACE Assessments; 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; Along with a complete, in-depth study guide for your specific PLACE test, and much more... Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. The most complete, up-to-date Civil Engineering PE exam guide Fully updated for the latest technical standards and exam content, this effective study guide contains all the information you need to pass the challenging Civil Engineering PE exam. Written by a registered PE and experienced educator, Civil Engineering PE All-in-One Exam Guide: Breadth and Depth, Fourth Edition, features equations, diagrams, and study strategies along with nearly 200 accurate practice questions and solutions. Beyond exam preparation, this comprehensive resource also serves as an essential on-the-job reference. Covers all material on the NCEES PE Civil exam, including: Reinforced concrete beams, slabs, and columns Steel beams, tension members, and compression members Bridge, timber, and masonry design Soil sampling, testing, and classification Design loads on buildings and other structures Shallow and deep foundations and retaining walls Seismic topics in geotechnical engineering Water and wastewater treatment Freeways, multilane highways, and two-lane highways Engineering economics, project scheduling, and statistics More than 300,000 engineers have relied on the Engineer-In-Training Reference Manual to prepare for the FE/EIT exam. The Reference Manual provides a broad review of engineering fundamentals, emphasizing subjects typically found in four- and five-year engineering degree programs. Each chapter covers one subject with solved example problems illustrating key points. Practice problems at the end of every chapter use both SI and English units. Solutions are in the companion Solutions Manual. Comprehensive review of thousands of engineering topics, including FE exam topics Over 980 practice problems More than 590 figures Over 400 solved sample problems Hundreds of tables and conversion formulas More than 2,000 equations and formulas A detailed 7,000-item index for quick reference For additional discipline-specific FE study tools, please visit [feprep.com](http://feprep.com). \_\_\_\_\_ Since 1975, more than 2 million people have entrusted their exam prep to PPI. For more information, visit us at [ppi2pass.com](http://ppi2pass.com). 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. Establish your professional credentials as a registered P.E. with Chemical Engineering A Review for the P.E. Exam The only P.E. exam guide 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. This full-length practice exam contains 40 breadth (AM) questions + 40 depth (PM) questions in the area of WATER RESOURCES & ENVIRONMENTAL ENGINEERING. These practice exams were developed after the syllabus went through reorganization in January 2015 and are therefore consistent with those changes. This is the second printing where errors and typos have been fixed. 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](http://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 Don't Let the Real Test Be Your First Test! Presented in the Breadth and Depth format of the actual exam, this comprehensive guide is filled with hundreds of realistic practice questions based on the Principles and Practice of Civil Engineering (PE-CIVIL) exam, given by the National Council of Examiners for Engineering and Surveying (NCEES). Detailed solutions, including equations and diagrams, are provided for every question. Civil Engineering PE Practice Exams offers intensive test preparation and is the perfect companion to Civil Engineering PE All-in-One Exam Guide. COVERS ALL EXAM TOPICS, INCLUDING: Structural: materials, member design, design criteria Geotechnical: soil mechanics, foundations, excavation, seismic issues Water resources and environmental: hydraulics, hydrology, water supply and quality, wastewater treatment Transportation: capacity analysis, planning, freeways, multilane highways Construction: scheduling, estimating, quality control, safety

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