

## Free Pe Civil Sample Questions And Solutions Ncees

*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*

*One practice examination for the civil PM water resources and environmental depth portion of the NCEES Principles and Practice of Engineering Examination (PE Exam). Includes 40 realistic civil engineering problems with detailed, step-by-step solutions to help you prepare for exam day. Please visit our website at [PEPrepared.com](http://PEPrepared.com) for video workshops, course notes, test strategies, tips, and other free resources! There are two separate water resources and environmental depth practice exams from PE Prepared, this is Version A. See Version B for 40 additional problems. PE Prepared was created by real, practicing civil engineers to give E.I.T.s and E.I.s like yourself a leg up on test day. We strove to author realistic questions at the right level of difficulty, with detailed, step-by-step solutions to help you learn the content that is going to be on the exam.*

*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*

*Study more efficiently by focusing on the core concepts necessary to pass the Civil PE Exam: Water Resources & Environmental Depth. This book follows EXACTLY to the NCEES Civil Exam syllabus for the Water Depth and provides information specifically geared towards the exam. This book includes: Core Concepts Reference Guide with the breakdown of equations and concepts necessary to give you the baseline of knowledge for passing the Civil PE Exam for the Water Resources & Environmental Depth. 80 Civil Morning Breadth and 40 Water Resources & Environmental Depth questions with detailed solutions. The PE Exam is open book for a reason. It is easy to get overwhelmed with the amount of information presented in study guides. This reference guide and practice exam focuses your attention appropriately so that you may make the best use of your time and show up on test day as prepared as possible. Please contact us at PECoreConcepts@gmail.com.*

*Breadth Exam Version C*

*Breadth Exam Version B*

*Reference Manual, 80 Morning Civil Pe, and 40 Water Resources and Environmental Depth Practice Problems*

*FE Civil Practice Exam*

*Breadth*

**Practice Problems for the Civil Engineering PE Exam contains over 915 problems designed to reinforce your knowledge of the topics presented in the Civil Engineering Reference Manual. Short, six-minute, multiple-choice problems follow the format of the NCEES Civil PE exam 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 Civil PE exam (e.g., ASD and LRFD) are presented. Frequent references to figures, tables, equations, and appendices in the Civil Engineering Reference Manual and the exam-adopted codes and standards will direct you to relevant support material.**

**Well organized, Based on the Current California Board Test Plan, 111 Practice Problems (TWO EXAMS) with Detailed Solutions. Study more efficiently by focusing on the core concepts necessary to pass the Civil PE Exam: Transportation Depth.**

**Updated to the 2018 NCEES Specifications. This book follows EXACTLY to the NCEES Civil Exam syllabus for the Transportation Depth and provides information specifically geared towards the exam. This book includes: Core Concepts Reference Guide with the breakdown of equations and concepts necessary to give you the baseline of knowledge for passing the Civil PE Exam for the Transportation Depth. 80 Civil Morning Breadth and 40 Transportation Depth questions with detailed solutions. The PE Exam is open book for a reason. It is easy to get overwhelmed with the amount of information presented in study guides. This reference guide and practice exam focuses your attention appropriately so that you may make the best use of your time and show up on test day as prepared as possible. Please contact us at [PECoreConcepts@gmail.com](mailto:PECoreConcepts@gmail.com).**

**Civil Engineering Pe Practice Exams2 Full Breadth**

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**Civil Engineering Pe Practice Exams**

**Concrete Design for the Civil and Structural PE Exams**

**Civil PE Sample Examination**

**Full Breadth Exam, Detailed Solutions, Exam-Day Info, and Study Schedule**

**Structural Depth Reference Manual for the Civil PE Exam**

Structural Depth Practice Exams contains two 40-problem, multiple-choice exams consistent with the NCEES Civil PE structural depth exam's format and specifications. Like the actual exam, the problems in this book require an average of six minutes to solve.

One practice examination for the civil AM breadth portion of the NCEES Principles and Practice of Engineering Examination (PE Exam). Includes 40 realistic civil engineering problems with detailed, step-by-step solutions to help you prepare for exam day. Please visit our website at [PEPrepared.com](http://PEPrepared.com) for video workshops, course notes, test strategies, tips, and other free resources! There are three separate breadth practice exams from PE Prepared, this is Version C. See Version A and Version B for 40 additional problems each. PE Prepared was created by real, practicing civil engineers to give E.I.T.s and E.I.s like yourself a leg up on test day. We strove to author realistic questions at the right level of difficulty, with detailed, step-by-step solutions to help you learn the content that is going to be on the exam.

One full-length practice examination for the State of California Civil Seismic Principles exam. This is a realistic practice exam for the California state-specific seismic exam that is required to obtain a professional engineering license in civil engineering in California. Includes 55 realistic seismic problems with detailed, step-by-step solutions to help you prepare for exam day. The solutions in this book directly reference ASCE/SEI 7, the California Building Code/ International Building Code, and the Seismic Design Review Workbook for the California Civil P.E. Seismic Principles Exam

(Hiner). Please visit our website at [PEPrepared.com](http://PEPrepared.com) for video workshops, course notes, test strategies, tips, and other free resources! PE Prepared was created by real, practicing civil engineers to give E.I.T.s and E.I.s like yourself a leg up on test day. We strove to author realistic questions at the right level of difficulty, with detailed, step-by-step solutions to help you learn the content that is going to be on the exam.

Everything you need to pass the Civil PE Breadth portion of the NCEES Principles and Practice of Engineering Exam. This morning session guide consists of a full 40-question breadth exam with detailed step-by-step solutions and includes important exam day info, a detailed study schedule, and exam-day tips. Designed to help you pass the exam first try.

Civil PE Practice Exam - Transportation Depth

Structural Depth Practice Exams for the Civil PE Exam

Civil Engineering PE Practice Exams: Breadth and Depth

Breadth Exam Version a

Water Resources and Environmental Practice Exam

*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*

*The Most Realistic Practice for the Civil PE Exam The Civil PE Sample Examination provides the realistic, timed practice you need to succeed on exam day. Each 40-problem, multiple-choice session simulates the actual exam's format, depth, and problem distribution. Begin by taking the morning session, and then choose one of the five afternoon session disciplines (construction, geotechnical, structural, transportation, or water resources and environmental). After completing the sample exam, use the answer key and the step-by-step solutions to assess your exam readiness. Use the Civil PE Sample Examination to practice solving problems under timed conditions reveal topics that require extra review determine the most efficient ways to solve problems\* identify the references you may use during the exam*

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people preparing for their engineering, surveying, architecture, LEED®, interior design, and landscape architecture exams have entrusted their exam preparation to PPI. For more information, visit us at [www.ppi2pass.com](http://www.ppi2pass.com).

**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.

**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***

***PE Civil Engineering***

***Pass the Civil Professional Engineering (Pe) Exam Guide Book  
Water Resources Depth Version B***

***Civil PE Practice Exam***

***Civil PE Structural Practice Exams***

The Civil Engineering Reference Manual provides a comprehensive review of all five NCEES Civil PE exam content areas: construction, geotechnical, structural, transportation, and water resources and environmental engineering. Over 500 example problems not only demonstrate how to apply important concepts and equations, they also include step-by-step solutions that show you the most efficient methods to use when solving exam problems. With more than 100 appendices from references and exam-adopted design standards it's possible to solve many exam problems using only the Civil Engineering Reference Manual. Features of the Civil Engineering Reference Manual

More than 500 example problems  
Over 400 defined engineering terms  
References to over 3,300 equations, 760 figures, and 500 tables  
Index includes cross-topic concepts  
Example problems use both SI and U.S. Customary units  
Consistent nomenclature in each chapter  
Coverage of both theory and practical applications  
Easy-to-read explanations  
Easy-to-use index and full glossary  
Exam Topics Covered (used in main product description in Magento, and also in the separate "Topics Covered" field)  
Construction: Earthwork construction and layout; material quality control and production; quantity and cost estimation; temporary structures; scheduling  
Geotechnical: Earth and earth-retaining structures; shallow foundations; soil mechanics analysis; soils and materials properties; subsurface exploration and sampling  
Structural: Loadings; analysis; materials and their mechanics; member design  
Transportation: Geometric design  
Water Resources and Environmental: Closed conduit and open channel hydraulics; hydrology; water and wastewater treatment  
What's New in This Edition (used in main product description in Magento)  
Updated to current exam-adopted codes and standards for: AASHTO: AASHTO LRFD Bridge Design Specifications, 5th ed., 2010 ACI 318: Building Code Requirements for Structural Concrete, 2008 ACI 530: Building Code Requirements and Specification for Masonry Structures, 2008 IBC: International Building Code, 2009 Modified concrete and masonry chapters to be consistent with NCEES' revised structural specifications  
Removed all ACI 318 App. C theory, equations, and examples to be consistent with NCEES requirement of exclusive use of ACI 318 unified strength methods  
Provided new content, including Added new chapter on highway bridge rating  
31 chapters with revisions to existing materials  
10 chapters with new material  
51 revised equations  
13 new equations  
15 revised tables  
2 new tables  
19 revised examples  
5 new examples  
3 revised appendices  
13 revised figures  
6 new figures  
Added 130 new index

entries to new and existing material

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.

"Comprehensive Coverage of the Topics on the Civil PE Exam's Construction Depth Section"--Front cover.

One practice examination for the civil PM transportation depth portion of the NCEES Principles and Practice of Engineering Examination (PE Exam). Includes 40 realistic civil engineering problems with detailed, step-by-step solutions to help you prepare for exam day. Please visit our website at [PEPrepared.com](http://PEPrepared.com) for video workshops, course notes, test strategies, tips, and other free resources! PE Prepared was created by real, practicing civil engineers to give E.I.T.s and E.I.s like yourself a leg up on test day. We strove to author realistic questions at the right level of difficulty, with detailed, step-by-step solutions to help you learn the content that is going to be on the exam.

Civil Engineering Reference Manual for the PE Exam

PE Civil Reference Manual

Practice Problems for the Civil Engineering PE Exam

Reference Manual, 80 Morning Civil Pe, and 40 Transportation Depth Practice Problems

Six-Minute Solutions for Civil PE Exam Geotechnical Depth Problems

Concrete Design for the Civil and Structural PE Exams provides you with a thorough overview of the basic theories required to solve concrete design problems on the civil PE exam and the Structural I and II exams. Easy-to-use lists of tables, figures, and concrete design nomenclature will help you to quickly locate important concrete design information. Comprehensive concrete design review for the civil PE and structural PE exams Complete overview of required codes and standards over 130 figures that illustrate the acceptable structural design criteria Increase your problem-solving speed and confidence with 37 practice problems (25 practice problems for the civil PE and Structural I exams) (10 practice problems for the Structural I exam) (2 scenario-based practice problems for the Structural II exam) Topics Covered Materials Design Specifications Flexural Design of Reinforced Concrete Beams Serviceability of Reinforced Concrete Beams Shear Design of Reinforced Concrete Columns and Compression Members Continuous One-Way Systems Two-Way Slab Systems Development of Reinforcement Prestressed Concrete Seismic Design of Reinforced Concrete Members

One practice examination for the civil PM water resources and environmental depth portion of the NCEES Principles and Practice of Engineering Examination (PE Exam). Includes 40 realistic civil engineering problems with detailed, step-by-step solutions to help you prepare for exam day. Please visit our website at [PEPrepared.com](http://PEPrepared.com) for video workshops, course notes, test strategies, tips, and other free resources! There are two separate water resources and environmental

depth practice exams from PE Prepared, this is Version B. See Version A for 40 additional problems. PE Prepared was created by real, practicing civil engineers to give E.I.T.s and E.I.s like yourself a leg up on test day. We strove to author realistic questions at the right level of difficulty, with detailed, step-by-step solutions to help you learn the content that is going to be on the exam.

\*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](http://ppi2pass.com/etextbook-program).\*

An In-Depth Review of Concrete Design Methods and Standards Concrete Design for the PE Civil and SE Exams presents the concrete design and analysis methods most needed by civil and structural engineers. The book's 12 chapters provide a concise but thorough review of concrete theory, code application, design principles, and structural analysis. The 51 example problems demonstrate how to apply concepts, codes, and equations, and over 40 figures and tables provide essential support material. A complete nomenclature list defines the industry-standard variables and symbols used in each chapter. This book includes code references to familiarize you with the exam-adopted codes, such as ASCE 7 and ACI 318. It's multiple-choice problems and scenario-based design problems will enhance your problem-solving skills. Each problem's complete solution lets you check your solving approach. On exam day, you can use this book's thorough index to quickly locate important codes and concepts.

Topics Covered

- Columns and Compression Members
- Prestressed Concrete
- Continuous One-Way Systems
- Seismic Design of Reinforced Concrete Members
- Design Specifications
- Serviceability of Reinforced Concrete Beams
- Development of Reinforcement
- Shear Design of Reinforced Concrete
- Flexural Design of Reinforced Concrete Beams
- Two-Way Slab Systems
- Materials

One practice examination for the civil AM breadth portion of the NCEES Principles and Practice of Engineering Examination (PE Exam). Includes 40 realistic civil engineering problems with detailed, step-by-step solutions to help you prepare for exam day. There are two separate breadth practice exams from PE Prepared, this is Version A. See Version B for 40 additional problems. Congratulations on your decision to take the Principles and Practice of Engineering Examination for Civil Engineering! PE Prepared was created by real, practicing civil engineers to give E.I.T.s and E.I.s like yourself a leg up on test day. We strove to author realistic questions at the right level of difficulty, with detailed, step-by-step solutions to help you learn the content that is going to be on the exam. Our questions aren't harder than they need to be, but aren't easier either. They should take less than 6 minutes to solve. Take PE Prepared practice exams as a realistic simulation of exam day to measure your level of preparedness, or simply use them as a bank of practice questions while you study.

Concrete Design for the Pe Civil and Se Exams  
PE Civil Exam Review Guide  
California Civil Seismic Principles  
Water Resources Depth Version a



### Civil Pe Practice Exam

FE Civil Practice Problems contains over 460 multiple-choice problems that will reinforce your knowledge of the topics covered on the NCEES Civil FE exam. These problems are designed to be solved in three minutes or less to demonstrate the format and difficulty of the exam, and to help you focus on individual engineering concepts.

This book was written by a Professional Engineer who recently took and passed the NCEES PE exam in the Fall of 2020. The practice exam includes 40 breadth questions with detailed solutions using the latest Design Standards and the new NCEES Civil PE Reference Handbook for the new CBT (Computer Based Testing) exam. Each problem was curated to match the complexity of a test day question while covering all exam specifications as outlined by NCEES. Use the provided bubble answer sheet to simulate the testing environment and reference the comprehensive solutions to gauge your understanding. The questions use the new CBT format with multiple choice and Alternative Item Type (AIT) questions. Good luck and if you have any questions regarding the exam, email [pathtopeservices@gmail.com](mailto:pathtopeservices@gmail.com), we are happy to answer and work to continuously to update the exam!

Six-Minute Solutions for Civil PE Exam Geotechnical Depth Problems contains 102 multiple-choice problems that are grouped into ten chapters. Each chapter corresponds to a topic on the Civil PE exam geotechnical depth section. Problems are representative of the exam's format, scope of topics, and level of difficulty. Like the PE exam, an average of six minutes is required to solve each problem in this book. Each problem also includes a hint that provides optional problem-solving guidance. Comprehensive step-by-step solutions for all problems demonstrate accurate and efficient solving approaches.

The Civil Discipline-Specific Review is designed to give you the best preparation for the civil section of the FE exam. 61 practice problems plus two 4-hour afternoon practice exams supplement your study regime and help you assess your readiness for the exam. If you are taking the civil section of the FE exam, Civil Discipline-Specific Review will give you the focused practice and preparation you need to pass. Topics covered Construction Management Environmental Engineering Hydraulics & Hydrologic Systems Materials Soils Mechanics & Foundations Structural Analysis Structural Design Surveying Transportation

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### CBT Breadth

Surveying Practice Exams and Solutions for California Civil PE License  
Practice Exam for the Civil Pe Exam

Civil PE Exam Breadth and Water Resources and Environmental Depth

Civil Discipline-specific Review for the FE/EIT Exam

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

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.

Updated to the October 2019 Specifications this is Version 3 of the Core concepts Structural Series. The book includes 40 Morning Civil and 80 Structural Depth Practice problems. Additionally, this book includes our quick reference guide with a breakdown of Every NCEES topic for the civil and structural depth Civil PE. You can also register your book to receive an additional 40 Civil PE Practice Problems Free.

Presented in the Breadth and Depth format of the actual exam, this comprehensive guide offers intensive preparation for the challenging Principles and Practice of Civil Engineering (PE-CIVIL) exam.

Civil PE Exam Breadth and Transportation Depth

Civil Engineering PE Practice Exams: Breadth and Depth, Second Edition

The Electrical Engineer's Guide to passing the Power PE Exam

40 Civil and 80 Structural Practice Problems with Quick Reference Guide

Breadth and Water Resources Depth

*This book was written by a Professional Engineer who recently took and passed the NCEES Transportation Depth exam in the Fall of 2020. The practice exam includes 40 Transportation Depth problems with detailed solutions using the latest Design Standards. Each problem was curated to match the complexity of a test day question while covering all Transportation Depth exam specifications as outlined by NCEES. Use the provided bubble answer sheet to simulate the testing environment and reference the comprehensive solutions to gauge your understanding.*

*Passing the PE Exam is all about preparation and practice!*

*One practice examination for the civil AM breadth portion of the NCEES Principles and Practice of Engineering Examination (PE Exam). Includes 40 realistic civil engineering problems with detailed, step-by-step solutions to help you prepare for exam day. There are two separate breadth practice exams from PE Prepared, this is Version B. See Version A for 40 additional problems. Congratulations on your decision to take the Principles and Practice of Engineering Examination for Civil Engineering! PE Prepared was created by real, practicing civil engineers to give E.I.T.s and E.I.s like yourself a leg up on test day. We strove to author realistic questions at the right level of difficulty, with detailed, step-by-step solutions to help you learn the content that is going to be on the exam. Our questions aren't*

*harder than they need to be, but aren't easier either. They should take less than 6 minutes to solve. Take PE Prepared practice exams as a realistic simulation of exam day to measure your level of preparedness, or simply use them as a bank of practice questions while you study.*

*One practice examination for the civil PM construction depth portion of the NCEES Principles and Practice of Engineering Examination (PE Exam). Includes 40 realistic civil engineering problems with detailed, step-by-step solutions to help you prepare for exam day. PE Prepared was created by real, practicing civil engineers to give E.I.T.s and E.I.s like yourself a leg up on test day. We strove to author realistic questions at the right level of difficulty, with detailed, step-by-step solutions to help you learn the content that is going to be on the exam. Please visit our website at [PEPrepared.com](http://PEPrepared.com) for test strategies, tips, and other free resources!*

*The Structural Depth Reference Manual prepares you for the structural depth section of the Civil PE exam. It provides a concise, yet comprehensive review of the structural depth section exam topics and highlights the most useful equations in the exam-adopted codes and standards. Solving methods--including ASD and LRFD for steel, strength design for concrete, and ASD for timber and masonry--are thoroughly explained. Throughout the book, cross references connect concepts and point you to additional relevant tables, figures, equations, and codes. More than 95 example problems demonstrate the application of concepts and equations. Each chapter includes practice problems so you can solve exam-like problems, and the step-by-step solutions allow you to check your solution approach. A thorough index directs you to the codes and concepts you will need during the exam. Topics Covered Design of Reinforced Masonry Design of Wood Structures Foundations Prestressed Concrete Design Reinforced Concrete Design Structural Steel Design*

*Civil PE Practice Exam: Transportation Depth Version A*

*Pe Civil Practice Problems*

*2 Full Breadth Exams*

*FE Civil Practice*