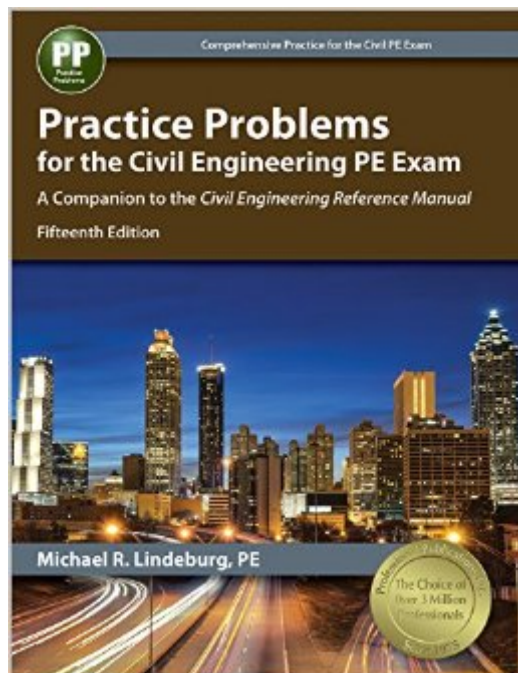


The book was found

Practice Problems For The Civil Engineering PE Exam: A Companion To The Civil Engineering Reference Manual, 15th Ed



Synopsis

Comprehensive Practice for the Civil PE Exam Practice Problems for the Civil Engineering PE Exam contains over 900 problems designed to reinforce your knowledge of the topics presented in the Civil Engineering Reference Manual. Short, six-minute, multiple-choice problems follow the NCEES Civil PE 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 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.

Exam 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

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Customer Reviews

This book is NOT one to study from for the PE. Just don't subject yourself to that. Basically, what it does is go through the CERM section by section and gives you problems (and solutions) for each one. The problem is that it doesn't factor in the idea that the CERM includes a TON of stuff that isn't on the Civil PE, no matter what depth section you're taking. For instance, the Transportation section of this book begins with kinetics problems and the physics of solid bodies.... it's absolutely nothing you need. It's a massive book, and it's complete overkill to study from. If you're working with limited funds, I would recommend instead investing in the Lindeburg practice test, and any other practice tests you can get your hands on, as even if they may vary in difficulty from the actual test, it's still a much better summary of what is on the test. That said, since I had it, I brought it to the test, and I WAS able to look up how to do one or two problems on the test thanks to it. So bring it if you have it; just don't try to use it as a study tool.

Doing problems is the best way to study for the PE exam. The problems in this book were somewhat helpful. It covers all of the afternoon disciplines. The publisher may want to consider splitting the book into separate afternoon sessions and adding a section for the morning session.

great for studying for the PE. Not enough example problems for the Geotechnical Afternoon Session.

Not enough explanation/details Sometimes The book doesnt state what equation is used from the reference manual.

Must have if your sticking for the PE

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