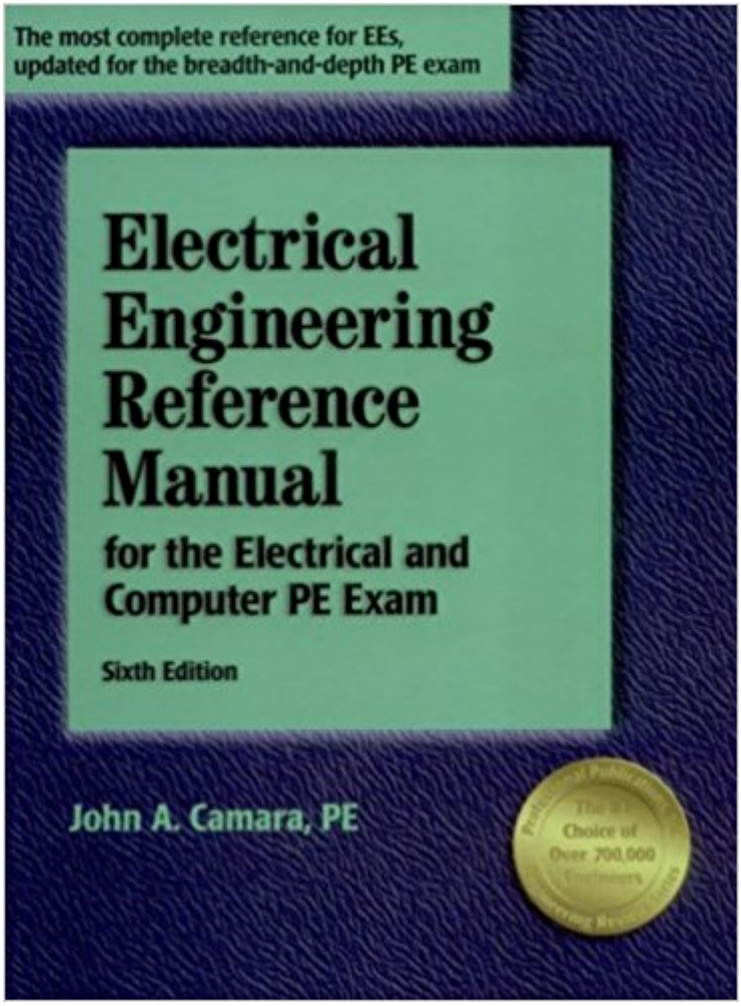
Electrical Engineering Reference Manual For The Electrical And Computer PE Exam, Sixth Edition



Synopsis

The sixth edition of the Electrical Engineering Reference Manual has been completely revised and expanded for the new exam format. It provides a comprehensive review for the new breadth-and-depth electrical and computer PE exam, and makes studying for the exam as efficient as possible. The book's coverage of topics prepares you for the exam's scope of subject matter, and the 374 solved example problems illustrate solution methods. The manual's breadth of coverage, combined with its excellent index, make it an invaluable time-saver during the exam. In addition, you'll find these features in the Electrical Engineering Reference Manual: Introduction to the current exam format, content, and organization A suggested study schedule, plus tips for successful preparation Hundreds of table, charts, and figures providing data at your fingertips With the Reference Manual and its accompanying products, you can be confident of using the best preparation materials available for this PE exam. It won't take the work out of the preparation process, but it will make your study time as productive as possible. For practice problems coordinated with this manual, order Practice Problems for the Electrical and Computer Engineering PE Exam (ISBN 1-888577-57-6). Both these books are part of Professional Publications's Engineering Review Series, used by over 700,000 engineers to pass their licensing exams.

Book Information

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Customer Reviews

The Electrical Engineering Reference Manual, 6th edition (EERM6) is written for engineers taking the new-format electrical and computer PE exam, offered beginning with the April 2002

administration of the exam. The introduction in EERM6 explains the nuts and bolts of the exam process. You'll get full details on the exam format and the topics that will likely be covered in each of the three "depth" sections of the exam. And you'll find valuable advice to help you prepare for the exam-from planning your study schedule to deciding what you need to take to the test.

John A. Camara holds PE licenses in both electrical and nuclear engineering. He is a principal engineer and integrated product team leader with Phantom Works, the R&D unit of the Boeing Company. A retired U.S. Navy lieutenant commander, he served as a nuclear-trained electrical engineer and submarine officer. Mr. Camara earned his BS in electrical and computer engineering and materials science and engineering from the University of California at Davis and his MS in space systems from the Florida Institute of Technology. He is the author of 101 Solved Nuclear Engineering Problems (Professional Publications, Inc.)

Understand that 'sufficiency' is going to be totally subjective. In my case, I was 30 years post-BSEE, just took the FE last spring, and the PE in October '06. I had this book, and also a sample exam book, and the 'six-minute solutions.' But mostly only browsed through the others. My total study consisted almost exclusively of plowing through this book front-to-back, and I used only this book on the exam. A dictionary of network terminology might have been useful (for PM exam, computers), but otherwise this was enough. While it was interesting and useful for some of the areas that I wasn't familiar with, I didn't consider keeping it after the exam as a reference; any books on those specific subjects would be much better. IMO the exam was not as difficult as I'd feared. Other folks carried dozens of books to the exam; for me, this one was sufficient. [BTW, klkaiser's sample exam appears to be very representative of what I recall of the exam, recommended][BTW, notice that there is now a 7th edition of this book.]

After passing the FE Exam, I started to prepare for the PE. I bought this book because of its good reviews. The book itself is very informative, organized, and very-well written. The exercises are not overly difficult to work with. Some practice questions are straight forward and some require you to dig in to your college files. Regardless of the content, this book really encouraged me to review more and refer to other resources, i.e. other engineers. Overall, this is definitely a good buy. Of course, your mileage may vary. Study hard and good luck!

These only study guide I needed for the PE. It could use more Per Unit explanation. I failed the PE

the first time because I couldn’t grasp the per unit concept.

I have taken the PE exam on Oct 29th 2010 andI have to admit that this book was my primaryreference, and it was sufficient for 75% of theproblems. There are questions on the examthat will require more depth in communicationmodule. I have used it as my primary referencewhile studying, and tabbed all critical information,which made the exam much easier to take.I recommend this book as a MUST during the PE exam,along with handbooks all engineering fields touchedin the NCESS sample exam.The NCEES sample exam handbook is almost a duplicateof the actual exam with 100% of the topics fromthe handbook covered on the exam.I have studied with 6 minute solutions, NCEES sample exam,PE sample Examination, andf Kaplan’s Problems andSolutions, and I have found that 1st 3 workbookswere in a ball park on the content of the actualexam questions, but going through Kaplan’ssamples, gave me a ridiculous headache.The format of some of the questions is wrong, the questionstake forever to derive, especially Controls chapter,so many assumptions I have no idea where they camefrom... Leave that book as additional resource..Good luck

I took the Electrical PE Exam (Power Option) yesterday Oct 29, 2004 for the first time, and I felt very well prepared and expect to pass the exam easily. To study and for reference during the exam, I purchased this Reference Manual and three additional books by the same author: the Quick Reference, Practice Problems, and Six-Minute Solutions. I also purchased the NCEES Sample Questions & Solutions, and I already had a copy of the NEC. I used no other materials for studying or taking the exam.This Reference Manual is excellent, and was my number one guide while studying and during the exam itself. My studying consisted of working the NCEES Sample Questions & Solutions and the Six-Minute Solutions books twice each, using only this Reference Manual and the NEC. Out of the 80 problems on the exam, there was only 1 not covered by this Reference Manual and NEC. I don’t see how you can take the PE exam without this book! The organization and format of this book are excellent and very polished. The content is concise but also comprehensive... the perfect balance. It’s the details that make it exceptional: how each section is "tabbed" by a black mark on the side and starts with a list of abbreviations and constants, top quality illustrations and tables, etc. The index is comprehensive, which is also very important during the exam.I would strongly recommend this Reference Manual, Six-Minute Solutions, and the NCEES Sample Exam. There is now a Sample Exam by this same author, which I did not use, but would if I was doing it over again. The NEC is necessary for anyone doing the Power option. The Quick

Reference and the Practice Problems are not good books, and I would not recommend them. I used neither of them during the exam, and only minimally when studying. See my reviews on those items for more details.

The Electrical Engineering Reference Manual (EERM) for the Electrical and Computer PE Exam is an excellent resource. The information contained in the handbook is very broad, yet is distilled to the most important elements of each subject area. When I took the exam, the majority of test-takers used the same reference manual written for their respective disciplines.The EERM is designed for quick and easy location of subject matter, which is important during the fast-paced PE exam. I used it for about 90% of the exam questions. The companion sample test and review questions by the same author are good review material and are more representative of the exam problems than other references I purchased. The exercise problems focus on concepts without getting bogged down in minutia. Hints for studying and taking the exam are very useful. The errata are bigger than it probably should be, but can be easily downloaded from the publisher website.I plan on keeping my copy of the EERM as a reference manual. My other study materials are for sale. I wish I would've had the EERM during college; it would have been a big help.By the way, I passed the PE on the first try and it's been over 20 years since I got my degree.

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