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## CURB, GUTTER, DRIVEWAYS, SIDEWALKS, RETAINING WALLS, PATIOS, FOUNDATIONS EXAMINATION

# of Questions	Minimum Passing Score	Time Allowed
60	42 (70%)	150 Minutes

### CONTENT OUTLINE

Content Area	# Items Test
Estimating and Plan Reading	5
Layout and Excavation	12
Formwork	8
Reinforcing Steel	8
General Concrete	16
Safety	6
Retaining Walls	5

### EXAMINATION STUDY MATERIALS

The reference materials listed below were used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. Except for Code books, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based only on the edition of the Code book that is listed.

This examination is OPEN book. The following references are allowed in the test room.

Code of Federal Regulations - 29 CFR Part 1926 (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or <https://www.osha.gov/lawsregs/regulations/standardnumber/1926>  
OR

Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, with latest available amendments, [www.psionlinestore.com](http://www.psionlinestore.com), (866) 589-3088

Fences & Retaining Walls, 2012 William McElroy, Craftsman Book Company, [https://craftsman-book.com/fences-retaining-walls?srsId=AfmBOotnK\\_1-L5Jkbc2-kDO8lZEW3unxcEwb3TJpWJAA7AkJs-B7Lp-](https://craftsman-book.com/fences-retaining-walls?srsId=AfmBOotnK_1-L5Jkbc2-kDO8lZEW3unxcEwb3TJpWJAA7AkJs-B7Lp-)

Design and Control of Concrete Mixtures, Steven H. Kosmatka and William C. Panarese, 17th Edition, 2021, Portland Cement Association, (847) 966-6200, [www.cement.org](http://www.cement.org)

Pipe and Excavation Contracting, Dave Roberts, 2011, Craftsman Book Company, (800) 829-8123, [www.craftsman-book.com/products](http://www.craftsman-book.com/products)

International Residential Code for One- and Two-Family Dwellings, 2021, International Code Council, (800) 786-4452, [www.iccsafe.org](http://www.iccsafe.org)

International Building Code, 2021, International Code Council, (800) 786-4452, [www.iccsafe.org](http://www.iccsafe.org).

Placing Reinforcing Bars, 2011 or later printing, 9th Edition, Concrete Reinforcing Steel Institute, (800) 328- 6306, [www.amazon.com](http://www.amazon.com)

ACI 318-11 or ACI 318-14 (2019): Building Code Requirements for Structural Concrete and Commentary, American Concrete Institute, (248) 848-3700, [www.concrete.org](http://www.concrete.org)

Candidates are responsible for bringing their own references to the examination center. Reference materials may be highlighted, underlined, **annotated**, and/or indexed prior to the examination session. However, references may not be written in during the examination session. Any candidate caught writing in the references during the examination will have the references confiscated and will be reported to the department. Furthermore, candidates are not permitted to bring in any additional papers (loose or attached) with their approved references. Any

additional materials will be removed from the references and confiscated. References may be tabbed/indexed with permanent tabs only. Temporary tabs, such as Post-It notes, are not allowed and must be removed from the reference before the exam will begin.