

# SWIMMING POOL

January 2005

**SCOPE:** Test a candidate's knowledge of the construction, service, and repair of all types and kinds of residential and commercial swimming pools. Includes excavation, grading, construction, appurtenances, and installation of all equipment. **Does not include direct connections to a sanitary sewer system or to potable water lines, or the grounding and bonding of metal surfaces, or the making of any electrical connections.**

## EXAMINATION OUTLINE

Open Book

100 Questions 4 hour time limit (Part 1 - 2 hours    Part 2 - 2 hours)

70% Correct Required to Pass

## SUBJECT AREA

Estimating

Excavating

Concrete forming

Reinforcing steel

Guniting/shotcrete

Finishes

Care and operation

Safety – Code of Federal Regulations

## REFERENCES

The reference materials listed below should be helpful to candidates in preparing for this examination. These materials may NOT contain all of the information needed to be competent in this trade or to pass the examination. We try to keep this reference list current and consisting of industry standard materials. This reference list is only a small sample of materials available which contain the necessary information.

*The following references ARE allowed in the testing center:*

29 CFR (Code of Federal Regulations) 1926 OSHA (Construction Industry), 2004 edition or higher Superintendent of Documents, PO Box 371954, Pittsburgh, PA 15250-7954

Guide to Shotcrete –ACI 506R-90 1995 edition American Concrete Institute (ACI) PO Box 9094 Farmington Hill MI 48333

Design and Control of Concrete Mixtures 14<sup>th</sup> edition 2002 Portland Cement Association 5420 Old Orchard Rd Skokie IL 60077

Placing Reinforcing Bars, Recommended Practices 7<sup>th</sup> edition 1997 Concrete Reinforcing Steel Institute Distribution Center 933 North Plum Grove Rd Schaumburg IL 60173-4758

NSPF Pool/Spas Operators Handbook 1990 edition National Swimming Pool Foundation NSPF 224 East Cheyenne Mountain Blvd Colorado Springs CO 80906

Basic Pool & Spa Technology 3<sup>rd</sup> edition 2001 National Spa and Pool Institute (NSPI) 2111 Eisenhower Avenue Alexandria VA 22314

Indiana Swimming Pool Code, 2<sup>nd</sup> edition (675 IAC 20)

Books and editions are subject to change without notice. Please be aware that there may be some questions/answers change due to code updates/edition changes. To receive information on how to obtain references, please call 812-429-9868.

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