



Professional Testing

ELECTRICIAN JOURNEYMAN**SCOPE**

Individual certified as having knowledge in the area of installation, maintenance, repair, alteration, extension, and construction of electrical systems and fire alarm systems under the supervision and direction of a contractor. An electrical journeyman may not act as a qualifying agent or contractor.

EXAMINATION CONTENTS**Trade Knowledge Exam – 4 Hours**

Subjects	Number of Questions
General Theory & Electrical Principles	20
Wiring and Protection	15
Wiring Methods and Materials	15
OSHA Safety, Procedures for Testing, and Tools and Equipment	6
Special Occupancies and Situations	2
Plan and Specification Reading	5
Equipment for General Use and Other Equipment and Materials	5
Conduit Fill	4
Motors	3
Ambient Temperature	3
Efficiency, Power Factor and Neutral Loads	4
Appliance Loads	4
Box Fill	4
Transformers	3
Voltage Drop	4
Communication and Alarm	2
Lighting and Power Systems	1
Total Number of Questions	100

THIS EXAM MAY INCLUDE ADDITIONAL NONSCORED TRIAL QUESTIONS.

EXAMINATION REFERENCES

The following references with an asterisk (*) indicate the books you may bring to the test site and use to assist you in answering the questions. These are the **ONLY** references you may bring with you.

- * Electricians Formula and Reference Book, 3rd Ed., 1999, **OR** Electrical Formulas with Sample Calculations, 2002, Mike Holt Enterprises, Inc., 7310 W. McNab Rd., Ste. 201, Tamarac, FL 33321 (800) 881.2580

- * NFPA 70, National Electrical Code, 2005, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100
- * NFPA 72, National Fire Alarm Code, 2002, National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269 (800) 735.0100
- * Key Word Index, 2005, Tom Henry Bookstore, 7449 Citrus Ave., Winter Park, FL 32792 (800) 642.2633
- * Code of Federal Regulations, Title 29, Part 1926 (OSHA), 2005, US Government Bookstore 100 West Bay St. Ste. 100, Jacksonville, FL 32202 (866-512-1800) bookstore.gpo.gov
- * Ugly's Electrical References, 2005, Construction Book Express, 100 Enterprise Place, P.O. Box 7029 Dover, DE (800) 253.0541

No marks, highlighting, or notes of any sort may be made in the reference materials during the examination. Highlighting and permanent tabbing prior to the examination is acceptable. "Post it" notes are not permanent and will not be allowed. No handwritten notes may be made in the reference materials prior to or during the examination.

The following references may be used to help prepare you for the examination. **You are NOT required to purchase these reference books and they may NOT be brought to the examination. They are only suggested if you feel the need for additional study.**

American Electrician's Handbook, 14th Ed., 2002, McGraw-Hill Publishing Glencoe Order Services, P.O. Box 545, Blacklick, OH 43004 (212) 904.5448

Commercial Electrical Wiring, 3rd Ed., 2000, Craftsman Book Company, 6058 Corte Del Cedro, Carlsbad, CA 92009 (800) 829.8123

Electrical Review for Electricians, 9th Ed., 1996, Construction Book Express, 100 Enterprise Place, P.O. Box 7029, Dover, DE (800) 253.0541

Fire Alarm Signaling Systems Handbook, 2nd Ed.,
2003, National Fire Protection Association, 1
Batterymarch Park, Quincy, MA 02269 (800)
735.0100

Florida Americans with Disabilities Accessibility
Implementation Act and Americans with Disabilities
Act, 1993, Department of State, Bureau of
Administration Codes, 401 S. Monroe St., Elliott
Building, Tallahassee, FL (850) 488.8427

Modern Commercial Wiring, 2002, Goodheart-
Wilcox Company, Inc., 18604 West Creek Dr.,
Tinley Park, IL 60477-6243

Modern Residential Wiring, 2002, Goodheart-
Wilcox Company, Inc., 18604 West Creek Dr.,
Tinley Park, IL 60477-6243

Security: A Guide to Security System Design, 2nd
Ed., 1992, Butterworth-Heinemann, 225 Wildwood
Ave., Woburn, MA 01801

Telecommunication Wiring, 3rd Ed., Prentice Hall,
P.O. Box 11071, Des Moines, IA 50336 (800)
922.0579 (ISBN-0-13-028696-6)

Understanding and Servicing Alarm Systems, 3rd
Ed., 1999, Butterworth-Heinemann, 225 Wildwood
Ave., Woburn, MA 01801

Local Licensing Ordinances

ADDITIONAL INFORMATION

Please refer to the Candidate Information Bulletin for
this examination for any additional information or
requirements.

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