

# **The Ultimate Guide to Preparing for the Indiana 2020 Journeyman Electrician Exam: Study Guide and Practice Questions**

Are you seeking to become a Journeyman Electrician in the state of Indiana? Congratulations on taking the first step towards a rewarding and in-demand career! Before you can obtain your license, you must pass the Indiana Journeyman Electrician Exam, a comprehensive test designed to assess your knowledge and skills in electrical work.

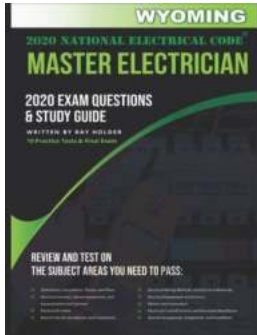
## **Why Preparation is Key**

Preparation is vital for success in any exam, and the Indiana Journeyman Electrician Exam is no exception. This article will provide you with a detailed study guide and a set of practice questions to help you familiarize yourself with the exam format and content. By diligently preparing for the exam, you can increase your chances of passing and securing your Journeyman Electrician license.

## **Indiana Journeyman Electrician Exam Overview**

The Indiana Journeyman Electrician Exam is administered by the Indiana Professional Licensing Agency (IPLA). It consists of two parts: a trade portion and an administrative portion. The trade portion assesses your knowledge of electrical principles, codes, and regulations, while the administrative portion evaluates your understanding of business and finance related to electrician work.

**Indiana 2020 Journeyman Electrician Exam Study Guide and Questions: 400+ Questions for study**



## on the National Electrical Code

by Peterson's (Kindle Edition)

★★★★☆ 4.3 out of 5

Language : English

File size : 612 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting : Enabled

Print length : 235 pages

Item Weight : 14.8 ounces

Dimensions : 6.26 x 0.43 x 9.02 inches



The trade portion of the exam typically includes questions related to electrical installations, grounding and bonding, conductor sizing and protection, motors and controls, transformers, electrical calculations, and more. The administrative portion focuses on topics such as business law, accounting, project management, contracts, and estimating.

### **Study Guide: The Breakdown**

Now that you know what to expect in the Indiana Journeyman Electrician Exam, it's time to dive into the study guide.

#### **1. Review Exam Content Areas**

Start by reviewing the content areas that will be covered in the exam. This will help you identify your strengths and weaknesses, allowing you to allocate time accordingly. Make sure you have a good understanding of electrical principles, codes, regulations, as well as business and finance concepts.

#### **2. Use Reliable Study Material**

Acquire high-quality study materials that cover the exam content in detail. Look for reputable books, online courses, or study guides specifically designed for the Indiana Journeyman Electrician Exam. These resources will provide you with the necessary knowledge and practice questions to enhance your understanding and build confidence.

### **3. Create a Study Schedule**

Develop a study schedule to keep yourself organized and on track. Set aside dedicated time each day or week to review the material and practice answering exam-like questions. Be realistic with your schedule, and create a balance between studying and taking breaks to prevent burnout.

### **4. Practice, Practice, Practice**

Practice is crucial for exam success. Utilize the practice questions provided below to test your knowledge and identify areas that require further attention. By responding to these questions under simulated exam conditions, you will familiarize yourself with the exam format and improve your time management skills.

### **Sample Practice Questions**

1. What is the minimum size copper grounding electrode conductor required for a 200-ampere electrical service?

a) #6 AWG

b) #8 AWG

c) #10 AWG

d) #12 AWG

2. What is the maximum permitted conductor length between a ground rod and metal water piping?

- a) 25 feet
- b) 50 feet
- c) 75 feet
- d) 100 feet

3. Which of the following is a characteristic of a three-phase transformer?

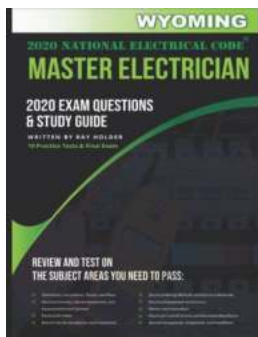
- a) Three primary windings and three secondary windings
- b) Single primary winding and single secondary winding
- c) Three primary windings and one secondary winding
- d) Single primary winding and three secondary windings

4. Which calculation method should be used to determine the maximum number of outlets permitted on a 20-ampere circuit?

- a) General lighting and receptacle load
- b) Dwelling unit load
- c) Estimated load
- d) Specific appliance load

Preparing for the Indiana Journeyman Electrician Exam requires dedication, thoroughness, and the utilization of reliable study materials and practice questions. By following the study guide provided in this article and answering the sample practice questions, you will enhance your chances of success in the exam and achieve your goal of becoming a Journeyman Electrician.

Remember, passing the exam is only one step in a lifelong journey of learning and growth as an electrician. Continuously updating your knowledge and staying informed about industry changes will ensure your success in this exciting and ever-evolving field.



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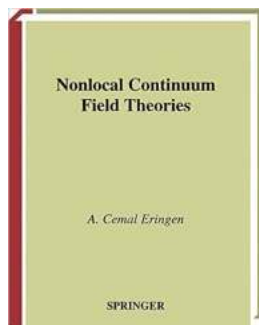
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The Indiana 2020 Journeyman study guide will help you prepare for the exam by providing 12 practice open book exams and 2 Final Closed Book Exams.

Includes Indiana License Forms and Sample Applications. This book also covers most topics that are included on all Journeyman Electricians exams such as

conductor sizing and protection, motors, transformers, voltage drop, over-current protection and residential and commercial load calculations. The text contains the most widely used electrical calculations and formulas the reader needs to pass the Journeyman electrical competency exam. About the Author Ray Holder has worked in the electrical industry for more than 40 years as an apprentice, journeyman, master, field engineer, estimator, business manager, contractor, inspector, and instructor. He is a graduate of Texas State University and holds a Bachelor of Science Degree in Occupational Education. A certified instructor of electrical trades, he has been awarded a lifetime teaching certificate from the Texas Education Agency in the field of Vocational Education. Mr. Holder has taught thousands of students at Austin Community College; Austin Texas Odessa College at Odessa, Texas; Technical-Vocational Institute of Albuquerque, New Mexico; Howard College at San Angelo, Texas, and in the public school systems in Fort Worth and San Antonio, Texas. He is currently Director of Education for Electrical Seminars, Inc. of San Marcos, Texas. Mr. Holder is an active member of the National Fire Protection Association, International Association of Electrical Inspectors, and the International Brotherhood of Electrical Workers.



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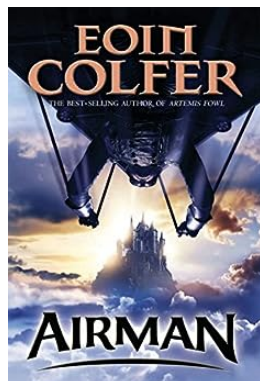
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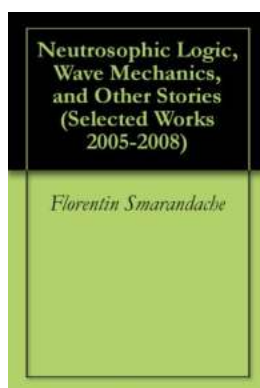
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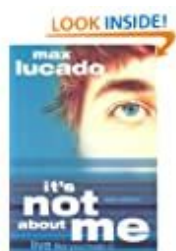
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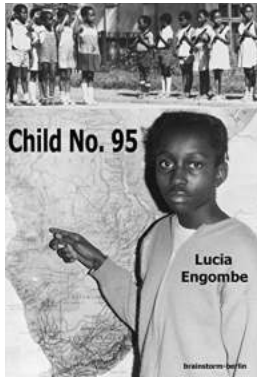
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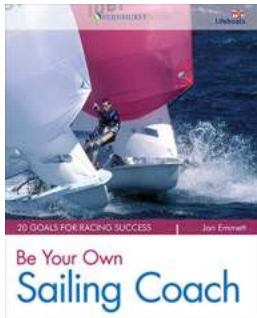
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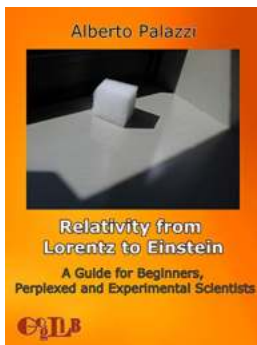
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