

STUDY GUIDE

FOR

METER TECHNICIAN 1, 1A

TEST

TEST NUMBER: 2605

INTRODUCTION

The 2605 Meter Technician 1, 1A Test is a job knowledge test designed to cover the major knowledge areas necessary to perform the job. This Guide contains strategies to use for taking tests and a study outline, which includes knowledge categories, major job activities, and study references.

TEST SESSION

It is important that you follow the directions of the Test Administrator exactly. If you have any questions about the testing session, be sure to ask the Test Administrator before the testing begins. During testing, you may NOT leave the room, talk, smoke, eat, or drink. Since some tests take several hours, you should consider these factors before the test begins.

Mobile phones or other electronic equipment will NOT be allowed in the testing area.

All questions on this test are multiple-choice format and have four possible answers. All knowledge tests will be taken on the computer. For more information on this, please see the next section of this study guide on *Computer Based Testing*.

The test has a three-hour time limit. A scientific calculator will be provided for you to use during the test. The calculator provided during the test session will be one of these models:

- Casio fx-250HC,
- Texas Instruments TI-30XA,
- Texas Instruments TI-36X

You will NOT be able to bring or use your own calculator during testing.

You will receive a Test Comment form so that you can make comments about test questions. Write any comments you have and turn it in with your test when you are done.

STUDY GUIDE FEEDBACK

At the end of this Guide, you have been provided with a Study Guide Feedback page. If a procedure or policy has changed, making any part of this Guide incorrect, your feedback would be appreciated so that corrections can be made.

ASSESSMENT TAKING STRATEGIES

The test contains multiple-choice questions. The purpose of this section is to suggest techniques for you to use when taking one.

Your emotional and physical state during the test may determine whether you are prepared to do your best. The following list provides common sense techniques you can

CONFIDENCE

If you feel confident about passing the test, you may lose some of your anxiety. Think of the test as a way of demonstrating how much you know, the skills you can apply, the problems you can solve, and your good judgment capabilities.

PUNCTUALITY

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CONCENTRATION

Try to block out all distractions and concentrate only on the test. You will not only finish faster but you will reduce your chances of making careless mistakes. If possible, select a seat away from others who might be distracting. If lighting in the room is poor, sit under a light fixture. If the test room becomes noisy or there are other distractions or irregularities, mention them to the Test Administrator immediately.

BUDGET YOUR TIME

Pace yourself carefully to ensure that you will have enough time to complete all tasks/functions.

READ CRITICALLY

Read all directions and questions carefully.

Remember that the techniques described in this section are only suggestions. You should follow the test taking methods that work best for you. If particular questions seem difficult to understand, make a note of them, continue with the test and return to them later.

MAKE EDUCATED GUESSES

Make an educated guess if you do not know the answer or if you are unsure of it.

DOUBLE-CHECK MATH CALCULATIONS

Use scratch paper to double check your mathematical calculations.

REVIEW

If time permits, review your answers. Do the questions you skipped previously.

Make sure each multiple-choice question has your correct answer selected.

Remember the techniques described in this section are only suggestions. You should follow the test taking methods that work best for you.

JOB KNOWLEDGE CATEGORIES AND STUDY REFERENCES

Below are the major job knowledge areas (topics) covered on the **2605 Meter Technician 1, 1A Test** and the associated study references. Listed next to each knowledge category is the number of items on the exam that will measure that topic. You can use this information to guide your studying. Some exams also contain additional pretest items. Pretest items will appear just like all of the other items on your exam, but they will not affect your score. They are an essential part of ensuring the **2605 Meter Technician 1, 1A Test** remains relevant to successful performance of the job.

There are a total of 81 items on the **2605 Meter Technician 1, 1A Test** and the passing score is 69%. This score was determined during the test validation process.

ELECTRICAL THEORY (48 items)

Knowledge of Alternating Current (AC) theories, concepts, definitions, electrical units of measurement, calculations, symbols, diagrams, and practices, related to: AC Generators, Alternators, Amperes, Battery, Capacitive Reactance, Capacitors, Conductors, Converting Energy, Current Transformer Ratios, Current and Voltage in Phase Relationships, Electromotive Force, Farads, Frequency, Fuses, Hertz, Impedance, Inductive Reactance, Inductors, Magnetic Lines, Ohm's Law, Overload Conditions, Parallel Circuits, Phase Angles, Polarity, Power Consumption, Power Factor, Primary and Secondary Current, Resistance, Resistors, Series Circuits, Sine Waves, Transformers, True/Real Power, Vectors, Volts/Voltage, Watts/Wattage.

References

Alexander, Richard. Pocket Guide to Watthour Meters. 4th Ed. 2010.

EEl Meter and Service Committee, Handbook for Electricity Metering. 11th Ed. 2014.

Hart, George. Ugly's Electrical References. Burleson Distributing Corporation, 2005.

Mileaf, Harry, ed. Electricity One-Seven. 2nd ed. New Jersey: Prentice Hall, 1996.

MATH (33 items)

Knowledge of mathematical concepts and calculations including units of measurement, addition, subtraction, multiplication, division, percentages, fractions, decimals, range, ratio, area, angles, triangles, exponents, scientific notation, basic algebra, and basic geometry.

References

www.math.com

Any basic math book that covers the concepts listed above.

STUDY GUIDE FEEDBACK

Please use this page to notify us of any changes in policies, procedures, or materials affecting this guide.

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Test Name: 2605 Meter Technician 1, 1A Test

COMMENTS: