

**(Updated Exams Release Date: October 5, 2026)****Electrical Power Testing Certification****Level I Content Outline****Technician Trainee**

The candidate for NICET certification as a Level I Electrical Power Testing technician should have the knowledge and experience to: Under the direct supervision of a higher-level technician, work safely around electrical power equipment and cabling; identify test equipment; and make simple electrical connections. They have at least 6 months of experience in EPT.

1.1 Electrical Theory and Components

(Questions related to these tasks make up 10-20% of the exam.)

- 1.1.1 Recognize and name common electrical equipment. 2, 3, 6
- 1.1.2 Recognize and define the standard units used to describe electrical circuits, energy, and power. 2, 11
- 1.1.3 Describe basic electrical equations. 3, 11

1.2 Electrically Safe Work Conditions

(Questions related to these tasks make up 18-28% of the exam.)

- 1.2.1 Differentiate between an energized and de-energized circuit. 7, 8
- 1.2.2 Identify minimum approach distances. 7
- 1.2.3 Determine whether an energized work permit is needed. 7
- 1.2.4 Recognize and correctly respond to the hazards associated with working with and around various types of electrical power equipment. 7
- 1.2.5 Recognize voltage class. 4

1.3 Workplace Safety

(Questions related to these tasks make up 15-25% of the exam.)

- 1.3.1 Recognize confined space and its hazards. 8
- 1.3.2 Demonstrate proper use of fall protection. 8, 9, 10
- 1.3.3 Identify hazards and exercise stop work authority. 6, 7, 8

1.4 Personal Safety

(Questions related to these tasks make up 11-21% of the exam.)

- 1.4.1 Apply lockout/tagout procedures. 7, 8
- 1.4.2 Identify, inspect, and wear proper personal protective equipment (PPE) for assigned work tasks. 7, 8, 9
- 1.4.3 Select and apply correct voltage detection equipment. 7, 8, 9

1.5 Test Equipment

(Questions related to these tasks make up 11-21% of the exam.)

- 1.5.1 Identify test equipment. 1, 3
- 1.5.2 Find the correct test equipment based on the testing to be performed. 1, 2, 3

1.6 Documentation & Communication

(Questions related to these tasks make up 5-15% of the exam.)

- 1.6.1 Document results of basic tests in forms or spreadsheets. 1, 11
- 1.6.2 Demonstrate understanding of electrical one-line diagrams. 3, 5, 7

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footnote number is linked to a reference on the Selected General References listing