

**Power Generation Maintenance Electrician V1
PGME50**

Updated January 2013

Focus Statement

A Power Generation Maintenance Electrician must be able to safely use hand, power, and electrical tools, as well as electrical test equipment and PPE according to regulatory and industry standards; interpret job specifications and industrial drawings; install, connect, troubleshoot and maintain power generation, distribution, and utilization systems and components; install raceway and cable distribution systems; and install and connect transformers and troubleshoot PLCs.

Overview

- Two-hour closed-book examination
- May use a basic function, non-printing calculator
- No extra papers, books, notes or study materials are allowed

Minimum passing score is 75.

Performance Verification

A corresponding hands-on Performance Verification is available.

NCCER Curriculum

All NCCER knowledge assessments are referenced to NCCER’s curriculum modules as listed on this specification sheet. You may order books and modules from Pearson by visiting www.nccer.org/order-books-modules/.

Assessment Development

All questions are developed and approved by subject matter experts under the direction of NCCER.

Credentials

Upon successful completion of the knowledge assessment or performance verification, credentials can be viewed and printed by the individual or assessment program through their NCCER Account.

Score Report and Training Prescription

Each candidate will have online access to their assessment results including their overall score and recommended training through their NCCER Account.

Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
40212-08 40213-08 40307-09	Conductors	8
40106-07 40203-08 40204-08 40205-08	Electrical Theory	12
26501-09 40201-08 40308-09	Personnel Safety	10
26410-08 32401-09 40113-07 50401-11	System Maintenance	10

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Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
26209-08 26210-08 26305-08 40301-09	System Safety	9
26211-08 40311-09 40312-09 40409-09	Controls	9
40401-09 50301-11	Power Plant Systems	6
40305-09 50402-11 26406-08 40306-09	Power Plant Equipment	12
26207-08 26409-08 26411-08 40103-07	Wiring Methods and Materials	10
26202-08 26407-08 40304-09 40313-09	Motor Maintenance	11
40105-07 40303-09 26203-08 26303-08	Troubleshooting	5

Total Number of Items

102