

Industrial Maintenance Mechanic V4

MEIDMT32_04

Updated June 2013

Focus Statement

A journey-level Industrial Maintenance Mechanic should be able to: identify basic safety and rigging practices; identify tools, equipment, and best practices for oxyfuel cutting; solve mathematical problems such as area, volume, sine, cosine, hypotenuse, and Pythagorean concepts; interpret construction drawings; identify pumps, drivers, valves and their installation and troubleshooting practices; create pipe fittings, perform cutting, treading and joining of piping components; perform hydrostatic and pneumatic testing; remove, troubleshoot and install bearings and couplings; identify components and functions of high and low pressure steam systems; lay out and install baseplates and soleplates with proper alignment methods; troubleshoot and repair equipment such as gearboxes and pumps.

Overview

- Three-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
00101-09 32102-07 32104-07 32204-07	Industrial Maintenance Mechanic Fundamentals	16
00106-09 32112-07 32111-07	Rigging & Mobile Equipment	12
32106-07 32201-07 32301-08 32302-08	Math & Measurements	16
32107-07 32402-09	Construction Drawings	8

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Written Assessment Contents:

Module ID	Content Domain/Module Title	Number of Items
32109-07 32205-07 32206-07 32308-08	Valves & Seals	16
32207-07 32303-08 32304-08	Bearings & Coupling	12
32108-07 32305-08 32307-08	Pumps, Drives, & Plates	12
32306-08 32404-09 32407-09 32408-09	Maintenance and Troubleshooting	16
32208-07 32209-07 32210-07 32403-09	Steam Systems	16
Total Number of Items		124