



Insulating

Level One

EXAMINATION PACKET

**Module 19101
Orientation**

This packet contains the reproducible Module Examination, Answer Key, and Performance Profile Sheet(s).

**STORE IN A
SECURE AREA!**

**NATIONAL CENTER FOR
CONSTRUCTION EDUCATION AND RESEARCH**

Pearson Education, Inc.

Upper Saddle River, New Jersey Columbus, Ohio

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Name: _____ Date: _____

Social Security Number: _____

- _____ 1. What is the most widely used material for insulation today?
- Magnesia
 - Cork
 - Fiberglass
 - Wood chips
- _____ 2. Which one of the following does *not* describe the working conditions which face a candidate for a training program in insulation?
- Working indoors and outdoors.
 - Working in an office with engineers and clerks.
 - Climbing, standing, reaching, lifting, and handling.
 - Working in hot and cold areas, high places, and cramped quarters.
- _____ 3. If insulation is improperly applied on pipe operating at a low temperature, what may occur?
- Condensation
 - Friction
 - Static electricity
 - Over-flow
- _____ 4. What could be the result if insulation is improperly applied and condensation occurs?
- Pipe explosion
 - Heat
 - Vapor expansion
 - Damage to building
- _____ 5. Rigid boards are used to insulate _____.
- pipes
 - fittings
 - ducts
 - hangers
- _____ 6. Which of the following materials is no longer used?
- Asbestos
 - Fiberglass
 - Calcium silicate
 - Mineral wool
- _____ 7. An example of an insulation material with no flexibility or "give" is _____.
- blanket
 - loose fill insulation
 - rigid boards
 - batts
- _____ 8. Loose fill insulation is used for which of the following?
- Boilers
 - Cold piping
 - To insulate duct work
 - To blow into walls and ceilings

- _____ 9. Which of the following is *not* a tool used in insulation?
- a. Knife
 - b. Tool pouch
 - c. Scissors
 - d. Sander
- _____ 10. Which of the following systems would not require insulation?
- a. Plumbing system
 - b. Roof drain systems
 - c. Steam systems
 - d. Sewer systems

NOTE ON PERFORMANCE PROFILE TESTING

Performance Profiles are included in this Instructor's Guide in a format that can be easily photocopied for each trainee. The Profiles measure trainee competency in the tasks taught in this module.

Please note the number of tasks to be tested while teaching this module. Each trainee should be tested on the tasks listed in the Performance Profile. Before the performance testing, the instructor should brief the trainees on:

- test objectives and criteria,
- safety precautions, and
- procedures for each task to be tested.

The instructor administering the performance testing should also do the following:

- ensure that all of the needed equipment is available and operating properly;
- set up the testing stations;
- organize and administer the test in a way that allows for optimal performance;
- complete the Performance Profile Sheet for each trainee by assigning a score for each listed task;
- monitor adherence to all safety regulations and precautions;
- provide adequate supervision to prevent injuries; and
- take immediate and effective action to remedy any emergency.

ACCREDITATION TESTING

If this Performance Profile Testing is done in the National Center for Construction Education and Research Standardized Craft Training Program, the following conditions must be met:

1. The Craft Instructor must hold valid NCCER instructor certification.
2. The training must be delivered through a Training Program Sponsor recognized by the NCCER.
3. For every module, the specific performance testing must be completed to the satisfaction of the instructor.
4. The results of the testing must be recorded on the Craft Training Report Form. This form must be provided to the local Training Program Sponsor to be forwarded to the NCCER National Craft Training Registry.

<p>Craft: Insulating</p> <p>Task Module Number: 19101</p> <p>Task Module Title: Orientation</p>	 
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TRAINEE NAME: _____

TRAINEE SOCIAL SECURITY NUMBER: _____

CLASS: _____

TRAINING PROGRAM SPONSOR: _____

INSTRUCTOR: _____

- Rating Levels:**
1. Passed: performed task.
 2. Failed: did not perform task.

Recognition: When testing for the NCCER Standardized Craft Training Program, be sure to record Performance Profile testing results on Craft Training Report Form 200 and submit the results to the Training Program Sponsor.

TASK	RATING
1. Identify 10 tools needed for insulation work.	
2. Identify the assorted types of insulation materials on display.	

Answer Key to Module Examination

<u>Answer</u>	<u>Section Reference</u>
1. c	2.0.0
2. b	1.0.0
3. a	1.0.0
4. d	1.0.0
5. c	3.0.0
6. a	2.0.0
7. c	3.0.0
8. d	3.0.0
9. d	4.0.0
10. d	6.1.0