Insulating

Level Two

EXAMINATION PACKET

Module 19209
Plumbing Systems

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

Copyright © 1996 by the National Center for Construction Education and Research.
All Rights Reserved.

Name: _____ **Date:** _____

Social Security Number: _____

_____ 1. What type of material is most widely used for cold water pipe?

a. Plastic
b. Stainless steel
c. Copper
d. Cast iron

_____ 2. What type of hangers are most commonly used on cold water pipe?

a. Wire
b. Welded
c. Contact
d. Clevis

_____ 3. What apparatus would most likely be installed on the plumbing cold water system immediately after the main shut-off valve is installed?

a. Drinking fountain
b. Backflow preventer
c. P-trap
d. Reducer

_____ 4. What material would the entry pipe to the plumbing cold water system be made of?

a. Plastic
b. Galvanized steel
c. Cast iron
d. Stainless steel

_____ 5. What is the name of the piping that supplies bathrooms located on each floor in a hotel if the bathrooms are directly over each other?

a. Stand pipe
b. Drops
c. Riser
d. Lateral

_____ 6. What is a backflow preventer?

a. A device that keeps cold water out of the sewer.
b. A device that prevents water from the building system entering the city water mains.
c. A device that prevents cold water and hot water from mixing.
d. A device that makes water flow uphill.

_____ 7. Where does a cold water main normally enter a hot water tank?

a. Bottom
b. Top
c. Side
d. At drain

Copyright © 1996 National Center for Construction Education and Research and National Insulation Association. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

_____ 8. If water softeners are used in a building, where would they most likely be located?

a. On the top floor
b. Outside
c. Where the main enters the building
d. Past the water heaters

_____ 9. Why would insulation be required on storm drain piping?

a. Because drainage water running through the pipes could cause condensation on the piping.
b. Because every pipe in a piping system should be insulated.
c. Because it needs to be insulated from inclement weather.
d. To prevent corrosion of the piping.

_____ 10. Where is condensate drain piping connected?

a. To the cleanouts in storm drainage systems.
b. To the recirculating pipe at the ends of the hot water room.
c. To the hot water piping connected to the bathroom fixtures.
d. To the drain pans under a/c units, refrigeration units, and any cooling coil.

Copyright © 1996 National Center for Construction Education and Research and National Insulation Association. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

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.

Craft: Insulating

Task Module Number: 19209

Task Module Title: Plumbing Systems

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 the parts of a distribution system.	
2.	Identify the steps that cold water goes through prior to being distributed in the pipe system.	

Copyright © 1996 National Center for Construction Education and Research and National Insulation Association. Permission is granted to reproduce this page provided that copies are for local use only and that each copy contains this notice.

Answer Key to Module Examination

Answer	Section
1. c	2.0.0
2. c	2.0.0
3. b	2.0.0
4. c	2.0.0
5. c	2.0.0
6. b	2.0.0
7. a	3.0.0
8. c	2.0.0
9. a	4.0.0
10.d	5.0.0