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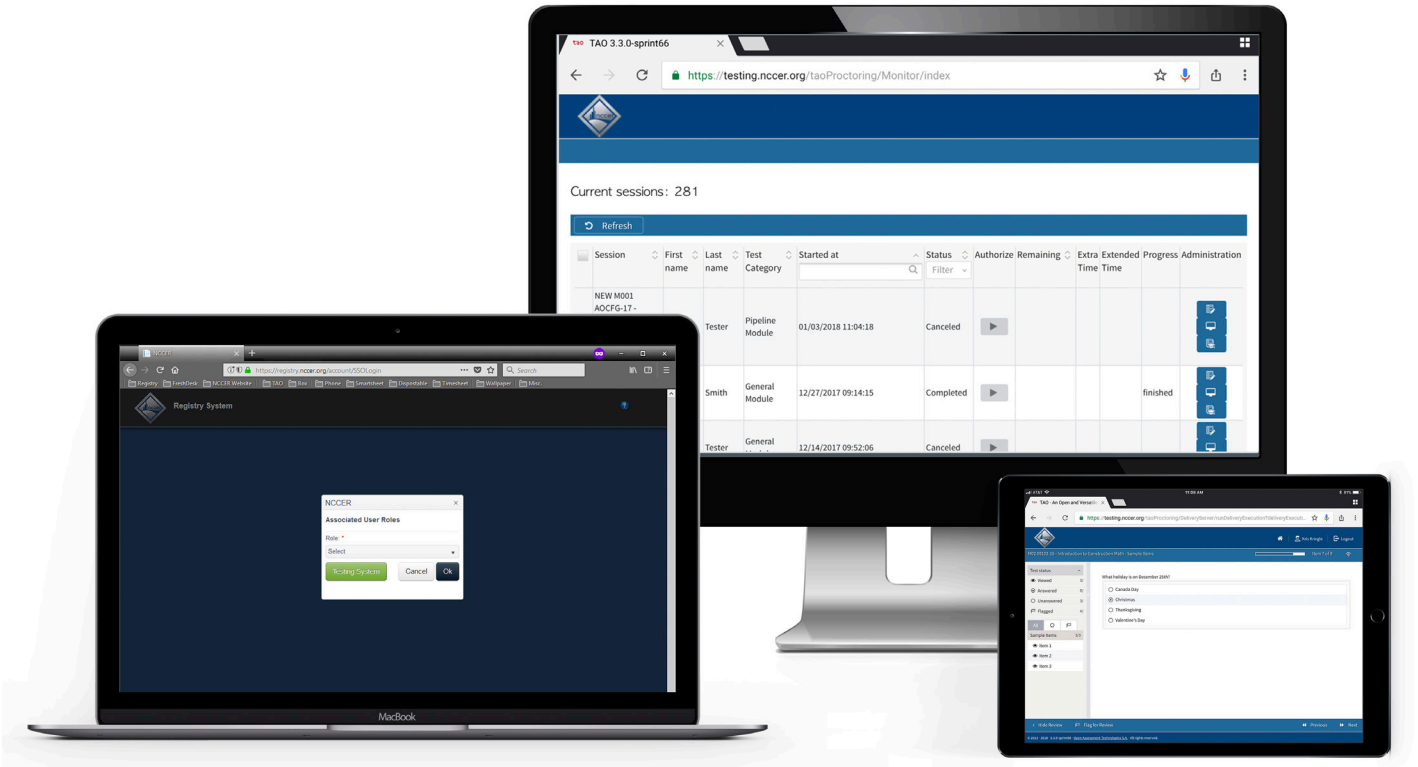

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Module 19206 Exam

Rigid Foam and Cellular Glass Insulation

Trainee Name: _____

Social Security Number: _____ Date: _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1. Which one of the following is a form of rigid polymeric foam insulation?
   a. Polyglot
   b. Polypropylene
   c. Polyethylene
   d. Phenolic

2. Which of the following is a common use of phenolic foam board?
   a. Roof insulation
   b. Cryogenic pipe insulation
   c. Boiler insulation
   d. Crawlspace insulation

3. Rigid polymeric foam insulation materials are typically _____.
   a. lightweight
   b. heavy
   c. dense
   d. fragile

4. An intact vapor retarder on cold-service piping insulation is key to preventing _____.
   a. PIR
   b. EPS
   c. XPS
   d. CUI

5. Which of the following is not recommended to attach rigid polymeric foam insulation to pipe?
   a. Wire
   b. Bands
   c. Tape
   d. Self-seal jacket

6. If insulation is taped or banded in place, and a vapor retardant jacket is field-installed, the insulation tape should be _____.
   a. over the jacket
   b. under the jacket
   c. on the ends of the jacket
   d. over all laps

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7. Cellular glass develops stress cracks when it _____.
   a. remains at a constant temperature for long periods of time
   b. is exposed to high temperatures
   c. is exposed to low temperatures
   d. is exposed to direct sunlight

8. When using a saw to cut cellular glass, the _____.
   a. saw should be a coarse tooth design
   b. insulation must not have a jacket applied
   c. saw's teeth tend to wear down quickly
   d. kerf should be minimized for a tight fit

9. When the temperature of a cryogenic pipe goes down, the ambient water vapor pressure toward the pipe _____.
   a. goes down
   b. goes up
   c. remains constant
   d. is not related to temperature

10. How far from the surface of a cryogenic-service pipe should a pipe shoe support be insulated?
   a. 4" (10 cm)
   b. 6" (15 cm)
   c. Twice the diameter of the pipe
   d. Four times the thickness of the insulation

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Module 19206 Answer Key

Rigid Foam and Cellular Glass Insulation

Question	Answer	Section Reference	Objective
1.	D	1.1.0	1a
2.	A	1.1.0	1a
3.	A	1.1.0	1a
4.	D	1.2.0	1b
5.	A	1.2.0	1b
6.	B	1.2.0	1b
7.	B	2.1.0	2b
8.	C	2.2.0	2b
9.	B	2.3.1	2c
10.	D	2.3.2	2c