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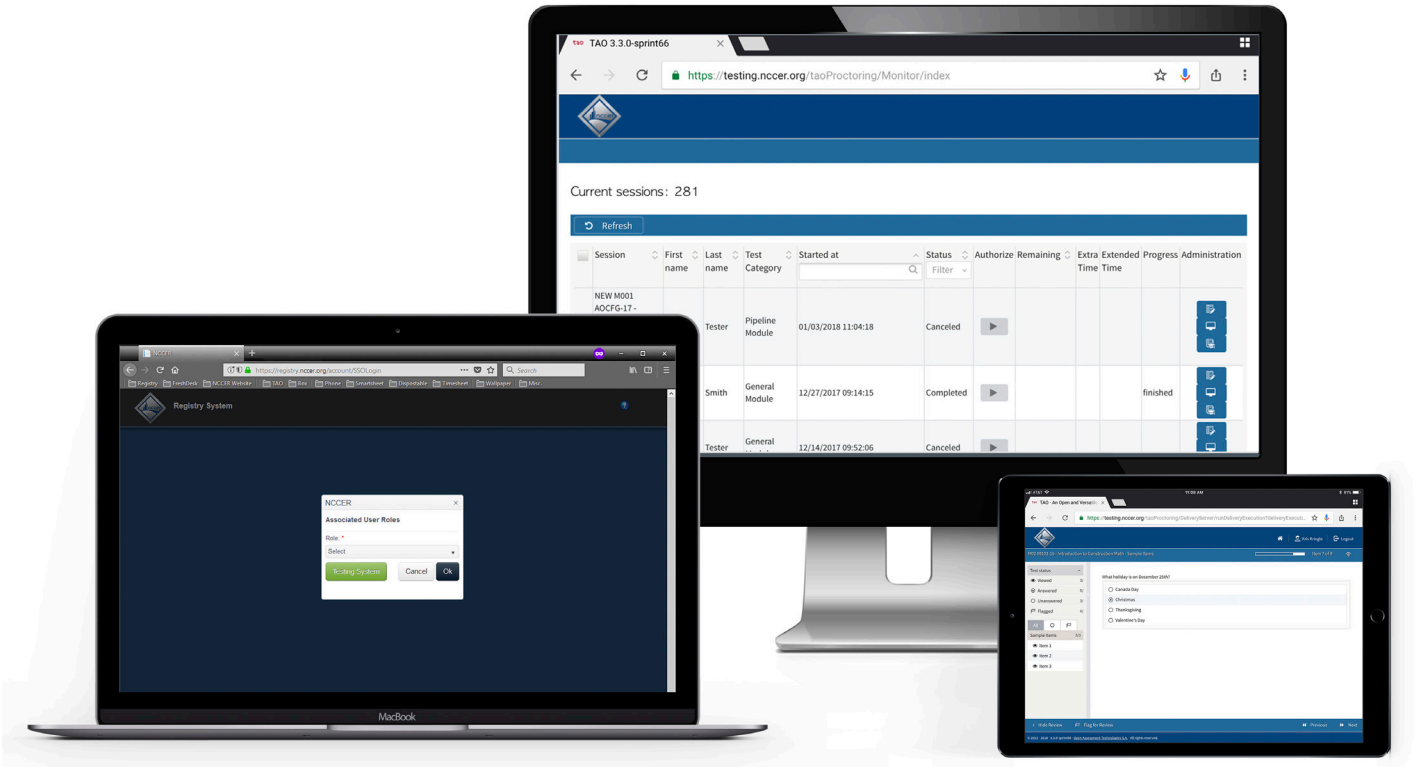

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Module 19203 Exam

Board Insulation for Ducts

Trainee Name: _____

Social Security Number: _____ Date: _____

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

1. One important difference between fiberglass board insulation and duct wrap is that board insulation is _____.
   a. sold in rolls
   b. rigid or semi-rigid
   c. used in cryogenic applications
   d. used in refractory applications

2. The main purpose of facing on fiberglass board used in cold service is to _____.
   a. provide an attractive appearance
   b. provide abrasion resistance
   c. act as a vapor retarder
   d. reflect heat away from the insulation

3. After duct has been installed and leak-tested, the insulation _____.
   a. can be applied only to the top of the duct
   b. should be thermally tested
   c. can be installed
   d. jacket can be removed

4. Among the following factors, which is the most important when planning the start of fiberglass board installation?
   a. Painting or fireproofing of the structure overhead surfaces
   b. The day of the week
   c. The manufacturer of the board insulation material
   d. Installation of fascia on exterior walls

5. Full-sized fiberglass boards should be installed _____.
   a. in the order they are put in the carton
   b. whenever possible
   c. without overlapping
   d. with the facing toward the duct

6. Kerfing is used to _____.
   a. allow the board to bend
   b. allow one board to be placed over another
   c. create air pockets to trap thermal energy
   d. lighten the board before it is mounted

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7. A standard method for applying board insulation to square or rectangular duct involves _____.
   a. wire or strapping
   b. weld pins
   c. adhesive tape
   d. cement

8. Which of the following is the best insulating material for covering the radius surfaces of rectangular duct elbows?
   a. Fiberglass duct wrap
   b. Rigid fiberglass board
   c. Beveled strips of fiberglass board
   d. Pipe and tank insulation

9. The most common angle for a lateral is _____.
   a. 25 degrees
   b. 30 degrees
   c. 45 degrees
   d. 60 degrees

10. When sealing fiberglass board with mastic, the insulator should start _____.
    a. with the highest point
    b. with the lowest point
    c. at the air handler
    d. with the most inaccessible area

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Module 19203 Answer Key

Board Insulation for Ducts

Question	Answer	Section Reference	Objective
1.	B	1.1.0	1a
2.	C	1.1.1	1a
3.	C	1.2.1	1b
4.	A	1.2.1	1b
5.	B	1.2.2	1b
6.	A	1.2.4	1b
7.	B	1.2.5	1b
8.	D	1.2.6	1b
9.	C	1.2.9	1b
10.	D	1.2.10	1b