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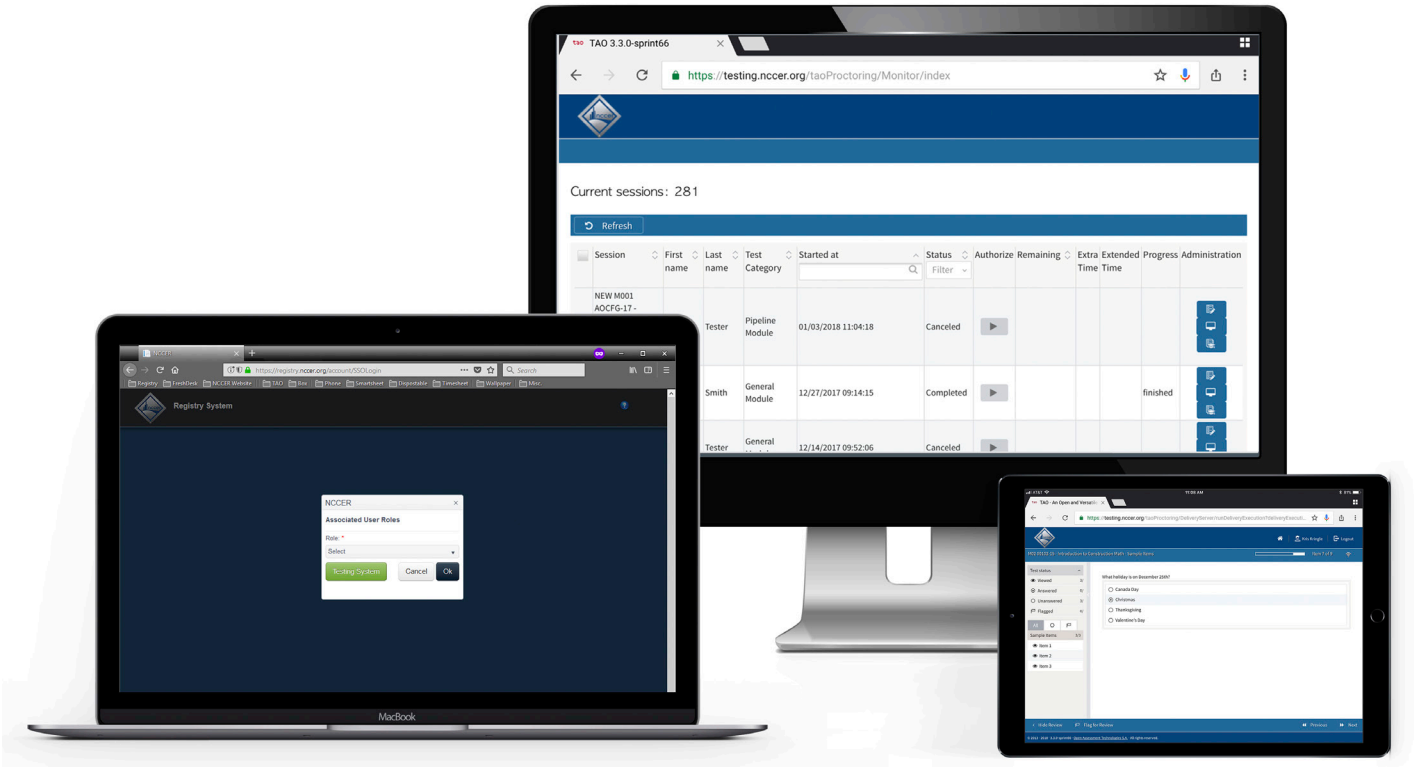

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Module 19312 Exam

Sheet-Metal Lagging

Trainee Name: _____

Social Security Number: _____ Date: _____

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

1. Insulation lagging work would likely be found at a _____.
   a. school
   b. petrochemical plant
   c. hospital
   d. big-box store

2. Sub-girts normally function as _____.
   a. piping system hangers and supports
   b. stabilizing elements for girts
   c. seals for edges and joints of lagging
   d. supports and stiffeners for lagging

3. Flat sheet metal is mainly used as _____.
   a. one of the primary lagging covers on walls
   b. a backing to stabilize insulation against the lagging sheet
   c. lagging for roofs
   d. flashing

4. Which of the following situations would be best-suited for the installation of prefabricated, preinsulated lagging panels?
   a. Large, long, flat walls
   b. Narrow spaces among many pipe penetrations
   c. On hot (greater than 400°F or 200°C) power plant boiler enclosures
   d. Small-diameter chemical treatment tanks

5. Which of the following items is most important to a facility owner in regards to the finished appearance of a lagging installation?
   a. Being able to see the arrangement of equipment ribs, flanges, and sub-girts
   b. Having a horizontal pattern of lagging ribs
   c. Presenting an overall eye-pleasing, uniform surface
   d. Finishing the edges and corners with flashing only where they are visible

6. For most heavy industrial applications, _____.
   a. lagging is attached directly to the underlying equipment structure
   b. lagging sheets are fastened to each other in order to span the distances between equipment stiffeners
   c. cup-headed lagging pins are shot through the installed lagging sheets to secure them
   d. lagging attachments and some sub-girts are installed before the insulation

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7. Which of the following methods is allowed for installing lagging sub-girts over mineral wool board insulation?
   a. Use adhesive to attach the sub-girts to the insulation.
   b. Place pre-drilled sub-girts onto insulation weld pins and secure both with speed clips.
   c. Wire the sub-girts to insulation pins.
   d. Stretch stainless steel banding between equipment ribs to hold the sub-girts in place.

8. Which of the listed lagging fasteners makes its own hole?
   a. Self-drilling screws
   b. Self-tapping screws
   c. Sheet-metal rivets
   d. Lagging bolts

9. For installing box-rib lagging on top surfaces, which of the listed methods is correct?
   a. Lower sheets are installed on top of higher sheets.
   b. Screws are installed through the high surfaces of the ribs.
   c. Lagging is installed with the ribs running horizontally across the slope.
   d. Lagging is installed so the ribs run parallel to the longest dimension of the surface.

10. Which of the listed methods is typical for assembling a preinsulated lagging panel in the shop?
    a. Glue the insulation to the lagging with adhesive and band galvanized mesh to the back of the panel.
    b. Drill holes in the lagging and loop wires through the insulation and galvanized steel mesh for securement.
    c. Weld insulation pins to the back of the lagging and secure board insulation with pin clips.
    d. Weld pins to the back of the lagging, impale the insulation, install metal mesh, and secure with clips.

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Module 19312 Answer Key

Sheet-Metal Lagging

Question	Answer	Section Reference	Objective
1.	B	1.1.0	1a
2.	D	1.1.0	1a
3.	D	1.2.0	1b
4.	A	1.2.0	1b
5.	C	1.3.1	1c
6.	D	1.3.2	1c
7.	B	1.3.2	1c
8.	A	1.4.1	1d
9.	B	1.4.2	1d
10.	D	1.4.3	1d