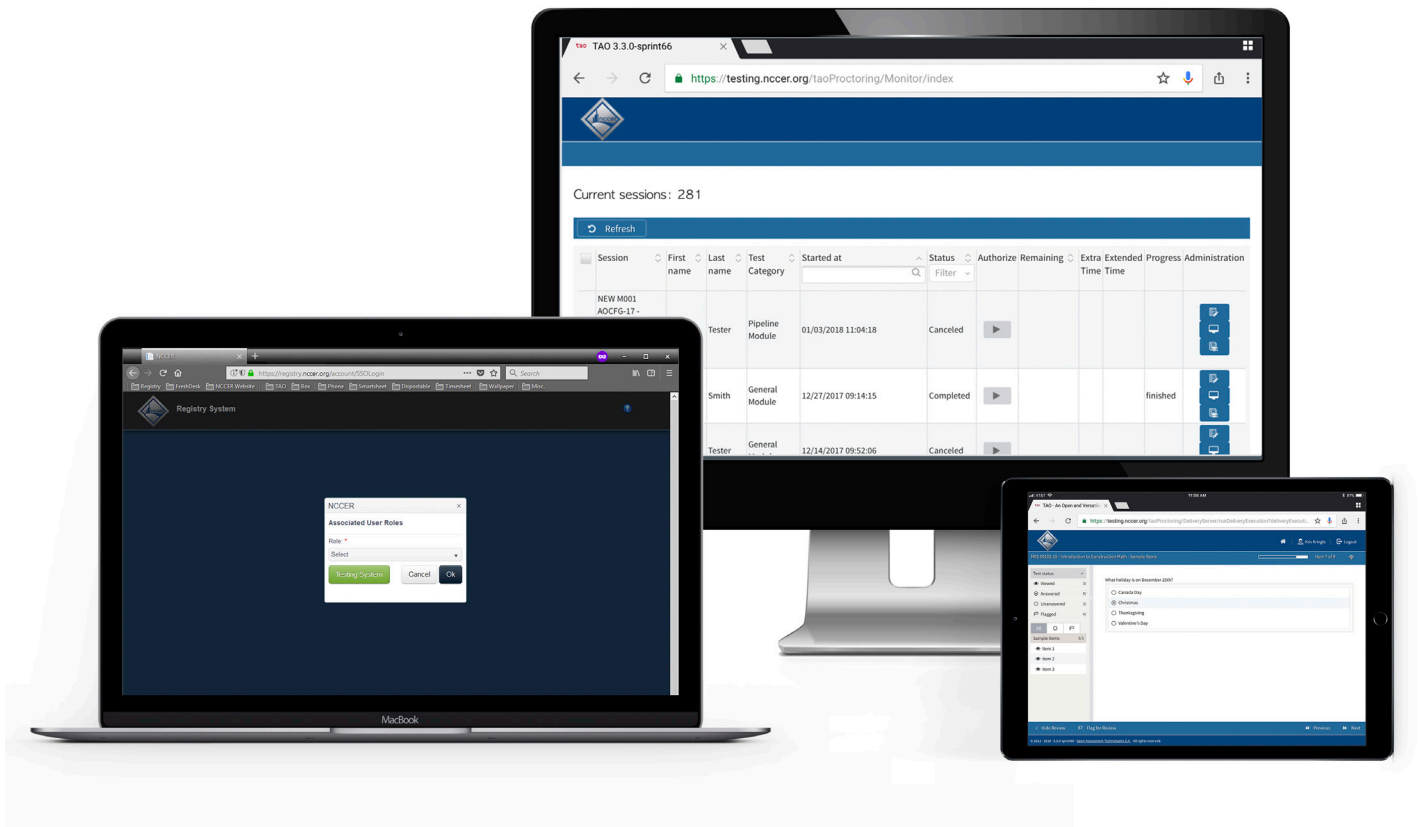


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Module 19308 Exam

Specialized Insulation Systems

Trainee Name: _____

Social Security Number: _____ Date: _____

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

1. Standing seam is a method used to _____.
 - a. seal insulation seams
 - b. seal fire-rated assemblies
 - c. apply firestopping material
 - d. join preinsulated panels

2. In low-temperature systems, a vapor retarder is _____.
 - a. only required in cryogenic applications
 - b. placed against the warm side of the insulation
 - c. placed against the cold side of the insulation
 - d. on both sides of the insulation

3. The types of refractory material are fire brick, refractory cement, and _____.
 - a. CalSil insulation
 - b. ceramic fiber
 - c. refractory sheets
 - d. lagging

4. In addition to brick and refractory, the materials used in boiler insulation are _____.
 - a. fiberglass and mineral wool
 - b. insulation and vapor retarder
 - c. firestopping and lagging
 - d. insulation and lagging

5. The type of spray-on material that would be a poor fireproofing insulation is _____.
 - a. mineral wool
 - b. refractory cement
 - c. cellulose
 - d. polyurethane foam

6. Spray-on polyurethane can be used on any surface where the process temperature does not exceed _____.
 - a. 300°F (150°C)
 - b. 212°F (100°C)
 - c. 180°F (82°C)
 - d. 100°F (38°C)

7. Spray-on cellulose insulation applied to metal structural members is considered _____.
 - a. firestopping
 - b. sound transmission control
 - c. vapor-retardant
 - d. fire-retardant

8. A firestopping material that expands when heated is classified as _____.
 - a. endothermic
 - b. endoscopic
 - c. intumescent
 - d. ablative

9. The caulking of electrical outlet boxes is done for the purpose of _____.
 - a. securing the boxes to the wall
 - b. providing sound isolation
 - c. preventing fires
 - d. preventing water leaks

10. Most preinsulated chilled water pipe systems consist of the pipe carrying the fluid, insulation, and an outer shell of _____.
 - a. mineral wool
 - b. PVC or fiberglass-reinforced plastic
 - c. cellulose
 - d. polyurethane foam

Module 19308 Answer Key

Specialized Insulation Systems

Question	Answer	Section Reference	Objective
1.	D	1.1.0	1a
2.	B	1.1.1	1a
3.	B	1.2.0	1b
4.	D	1.2.0	1b
5.	D	1.3.0	1c
6.	C	1.3.0	1c
7.	D	1.4.0	1d
8.	C	1.4.1	1d
9.	B	1.5.0	1e
10.	B	1.6.2	1f