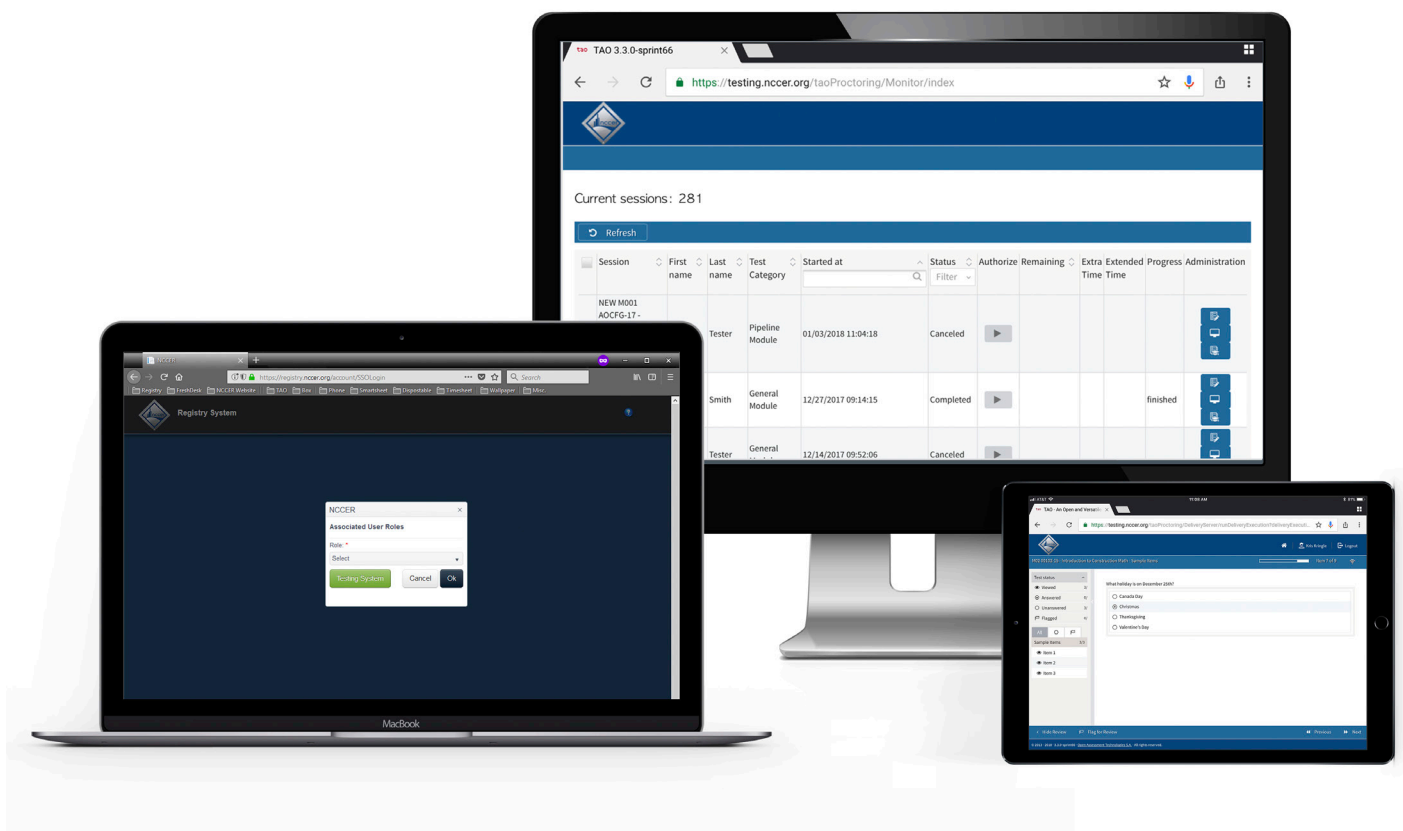


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Module 19302 Exam

Air Duct Systems

Trainee Name: _____

Social Security Number: _____ Date: _____

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

1. Selection and sizing of air ducts is based on _____.
 - a. air volume
 - b. height
 - c. air temperature
 - d. duct location

2. Which of these statements about fiberglass ductboard is correct?
 - a. It is insulated only if it runs through a conditioned space.
 - b. It is coated on the inside to prevent fiber erosion.
 - c. It is flexible so it can be bent around obstacles.
 - d. It is reinforced with sheet metal in high-pressure applications.

3. The use of fittings in sheet metal duct systems is limited because fittings _____.
 - a. are expensive
 - b. are unattractive
 - c. create a significant friction loss
 - d. must be fabricated on the job

4. The term "equivalent feet" is a method of rating _____.
 - a. VAV box performance
 - b. friction loss in a fitting
 - c. the length of a return air plenum
 - d. exhaust relief pressure

5. Which of following is not included in an air handler?
 - a. blower fan
 - b. compressor
 - c. return air filter
 - d. cooling coil

6. The device used to carry air from the interior to the exterior of a structure is a(n) _____.
 - a. exhaust air duct
 - b. VAV box
 - c. makeup air duct
 - d. fresh air duct

7. Air used to replace the air that is exhausted to the outdoors is called _____.
 - a. exhaust air
 - b. sterilized air
 - c. relief air
 - d. makeup air

8. In a high-pressure system _____.
 - a. low-pressure ductwork may be used for air distributed from a VAV box to branch ducts
 - b. air pressure is low up to the VAV box
 - c. trunk ducts are usually made of flex duct
 - d. return air ducts must be high-pressure ductwork

9. Duct liners are used to _____.
 - a. insulate the outside of a sheet metal duct
 - b. insulate the inside of a sheet metal duct
 - c. fabricate fiberglass ductboard
 - d. reduce the interior size of a sheet metal duct

10. A vapor retarder is necessary when _____.
 - a. ductwork passes through unconditioned spaces
 - b. only in conditioned spaces
 - c. only in cold climates
 - d. when ducts are used for both cooling and heating

Module 19302 Answer Key

Air Duct Systems

Question	Answer	Section Reference	Objective
1.	A	1.0.0	1a
2.	B	1.1.2	1a
3.	C	1.2.0	1b
4.	B	1.2.0	1b
5.	B	2.1.1	2a
6.	A	2.2.0	2b
7.	D	2.2.0	2b
8.	A	2.3.2	2c
9.	B	2.4.0	2d
10.	A	2.4.0	2d