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Continuing Education Course #100
HVAC Design
Industrial Ventilation

1. The purpose of machine room ventilation:
 - a. Maintain leaked refrigerant in room at a safe level.
 - b. Maintain room temperature within set parameters.
 - c. Both a and b.
 - d. None of the above.
2. Building codes prescribe machine room ventilation rates.
 - a. True
 - b. False
3. The required machine room heating capacity:
 - a. Is zero because the refrigeration equipment heats the room.
 - b. Should be calculated without taking credit for the refrigeration equipment heat.
 - c. Both a and b.
 - d. None of the above.
4. Code requires battery room hydrogen concentration level to be limited to:
 - a. 0.5%
 - b. 5%
 - c. 25%
 - d. 1%
5. One of the inputs in calculating battery room ventilation is the design number of people in the room.
 - a. True
 - b. False
6. In a battery room, a hydrogen sensor:
 - a. Should be placed as high as possible.
 - b. Should be placed as low as possible.
 - c. Should be mounted in a break-glass type case.
 - d. Is not required.
7. There is only one way to ventilate a warehouse.
 - a. True
 - b. False
8. Warehouse summer ventilation air-changes per hour are typically:
 - a. 0.5 – 0.6
 - b. 50 – 60

- c. 2 – 4
- d. 20 – 40

9. The primary purpose of summer warehouse ventilation:

- a. To create a tenable environment for the workers.
- b. To meet the code-prescribed minimum ventilation rate.
- c. To limit the refrigerant level.
- d. To limit the hydrogen level.

10. The following must be considered when calculating the capacity for a recirculating warehouse heating system:

- a. Roof area.
- b. Wall insulation R-value.
- c. Infiltration.
- d. All of the above.

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