

ECU Test

1. What does an Environmental Control Unit (ECU) do?
 - a. Disconnect power from the motor control box on a HAVC system
 - b. Provide air circulation throughout MTF
 - c. Provide low efficient air quality control throughout MTF
 - d. Monitor the quality of your indoor air
2. When preparing for transport what should you do?
 - a. Disconnect the two 12-inch ducts from the ECU and the FFA400-100 unit.
 - b. Turn power off and disconnect 'Y' cable
 - c. Place four 4-inch caps on system outlet 1000
 - d. Turn power off
3. How often should the air filter be checked?
 - a. weekly
 - b. bi-annually
 - c. annually
 - d. monthly
4. During a PM what part(s) should you check?
 - a. Supply and return line ducts, connectors J1 and j2, and filters
 - b. Supply and return lines, connectors J1 and j2, and filters
 - c. Supply and return line ducts and filters
 - d. Connectors J1 and j2, and filters
5. What will cause the motor to overheat?
 - a. Connecting "Y" cable connector to J3
 - b. Connecting "Y" cable connector to J4
 - c. Disconnecting main circuit to J3
 - d. Disconnecting main circuit to J4
6. During installation, how many filter sets are installed prior to operation?
 - a. 1
 - b. 2
 - c. 3
 - d. 4
7. What is EMEDS?
 - a. Expeditionary Medical Support
 - b. Emergency Medical Services Systems
 - c. Emergency Medical Services
 - d. Expeditionary Medical Support Systems

8. SCENARIO: A nurse calls you on the phone. She/He tells you that the ECU is not working and it's hot in the tent. What is most likely NOT the cause of this problem?

- a. Tripped circuit breaker
- b. Faulty power distribution box
- c. Bad 120VAC outlet
- d. Disconnected air duct

9. What is a Concept of Operations (CONOPs)?

- a. 5 character alpha code controlled by JCS
- b. Referred to as the "commander's concept."
- c. Defines the mission is capable of accomplishing
- d. The strategic planning in the maintenance and movement of WRM assets

10. . SCENARIO: A nurse calls you to repair the FEDCU. She tells you that there is oil leaking from the system. What most likely is the problem?

- a. Bad or cold solder joint
- b. Low or damaged battery
- c. Shorted power supplies
- d. Refrigerant leak

Answer Key

1. b
2. b
3. d
4. a
5. c
6. b
7. a
8. c
9. b
10. d