Name:_____ Date:_____

Score:_____/26

E-175 Fueling Procedures Test

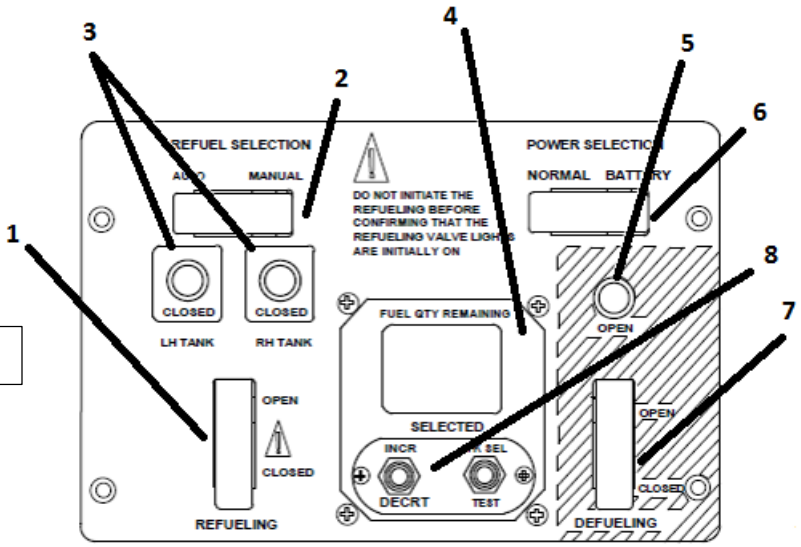
You must pass this test with a 75% in order to be certified. Otherwise, you will need to retake the test after reviewing the course material with your station's Designated Trainer. Each multiple choice question is worth 1 point, and each fill-in item is worth 1 point. You must get a score of 20 or higher to pass.

1. What fuel operations are permitted on the Mesa E-175 fleet?
    a. Over-Wing (Gravity) Refueling
    b. Automatic Pressure Refueling
    c. Manual Pressure Refueling
    d. Suction Defueling
    e. All of the above
2. What is the total capacity for fuel on the E-175 fleet?
    a. 5005 lbs.
    b. 10392.5 lbs.
    c. 20935 lbs.
    d. 29740 lbs.
3. What is the maximum allowable imbalance between tanks for the E-175 fleet?
    a. 794 lbs.
    b. 908 lbs.
    c. 1401 lbs.
    d. 3302 lbs.
4. Where is a location on the E-175 fleet that you can bond the fuel tender to with a "plug" style/bayonet cable?
    a. On the aircraft's left main landing gear
    b. Ports located on the underside of the wing leading edges
    c. On the aircraft's right main landing gear
    d. On the aircraft's nose gear

5. True or false: If STOP R/L OVER appears or a blackout on the panel occurs, it is okay to continue fueling until the set quantity is reached before informing the flight crew or maintenance.
    a. True
    b. False
6. True or false: You can fuel the E-175 fleet using both over-wing gravity ports at the same time using two fuelers.
    a. True
    b. False
7. What is the pressure range for normal refueling operations?
    a. 20-35 PSI
    b. 35-50 PSI
    c. 50-65 PSI

8. How many fuel tanks does the E-175 fleet have?
    a. 1 (single)
    b. 2 (left and right)
    c. 3 (left, center and right)
    d. 4 (2 aft, 2 forward, each labeled left and right)
9. What is the first step in fueling the E-175 fleet?
    a. Turning the power on
    b. Selecting Auto or Manual mode
    c. Bonding the aircraft and fuel tender
    d. Selecting the fuel quantity
10. What type(s) of defueling may be performed on the E-175 fleet without contacting Mesa Airlines Maintenance to assist?
    a. Gravity defueling
    b. Suction defueling
    c. Both gravity and suction defueling

Figure #1



11. Using Figure #1, match the numbers to the corresponding fuel panel selections:
    a. _____ Right and Left Tank Indicator Lights
    b. _____ Refueling Switch
    c. _____ Power Selection
    d. _____ Defuel Switch
    e. _____ Refuel Selection Switch
    f. _____ Repeater Indicator Light
    g. _____ Increase/Decrease Switch
    h. _____ Defueling Indicator Light

12. Order the following steps from start to finish for refueling the E-175 in Automatic Pressure Refueling mode.

    a. _____ Ensure fuel flow stops at the desired quantity and the indicator lights illuminate

    b. _____ Set the refueling switch to *CLOSED*

    c. _____ Connect the fuel hose and pressurize the system to 40 PSI

    d. _____ Set the refueling switch to *OPEN* and monitor for imbalance

    e. _____ Bond the fuel tender to the aircraft

    f. _____ Disconnect the fuel nozzle from the pressure fueling adapter

    g. _____ Close the valve handle on the fuel nozzle

    h. _____ Set system to *AUTO* and use the *INCR/DECR* switch to set fuel quantity