PURITAN-BENNETT 7200ae VENTILATOR

VENTILATOR EXERCISE #1

1. How many filters does the 7200ae have and where are they located?
    a. **BRASS OXYGEN AND AIR INLET FILTERS**
    b. **MAIN FLOW INPIRATORY FILTER**
    c. **EXPIRATORY FLOW FILTER**
    d. **NEBULIZER FILTER**
    e. **VENTILATOR FAN FILTER**
    f. **COMPRESSOR FAN FILTER**
2. How should the bacterial filters be processed? **STEAM AUTOCLAVE**
3. Name the 4 ventilator tests on the 7200ae ventilator.
    a. **POST – POWER ON SELF TEST**
    b. **TEST – TOTAL EXTENDED SELF TEST**
    c. **QUEST – QUICK EXTENDED SELF TEST**
    d. **LAMP TEST**
4. What do the initials TEST and QUEST stand for?
    a. QUEST: **QUICK EXTENDED SELF TEST**
    b. TEST: **TOTAL EXTENDED SELF TEST**
5. How long is a TEST? **APPROXIMATELY FIVE MINUTES**
6. How long is the QUEST? **APPROXIMATELY TWO MINUTES**
7. Should TEST or QUEST be performed while the patient is connected to the ventilator? **NO**

8. Document the tubing compliance factor during the TEST: **USUALLY BETWEEN 2 TO 3.5 mL/cm H_2O.**

9. Explain what the tubing compliance factor means: **THE VOLUME DELIVERED TO THE PATIENT IS "LOST" IN CIRCUITRY. AS VENTILATING PRESSURE INCREASES, THE TUBING IS STRETCHED, AND GAS IS NOT DELIVERED TO THE PATIENT. THINK OF IT AS THE "STRETCHINESS" (COMPLIANCE) OF THE VENTILATOR CIRCUIT.**

10. When should the TEST and QUEST be performed? **TEST: DO BETWEEN PATIENTS. QUEST: DO BETWEEN CIRCUIT CHANGES (RECALCULATES COMPLIANCE FACTOR)**

11. What does the Quick EST check?

    a. **LEAK TEST**

    b. **COMPLIANCE FACTOR CALCULATION**

    c. **AREA RATIO**

    d. **AUTO-ZERO PSOLS**

12. When doing an EST, QUICK EST is displayed in the window. You wish to bypass the QUEST and perform a TEST. Which key is depressed to accomplish this task? **++**

13. If an EST test fails, which key is pressed to stop the EST? *

14. When performing a QUEST or TEST, how is the leak test performed?

    a. **BLOCK WYE**

    b. **CIRCUIT IS PRESSURIZED TO A PRESSURE OF 80-90 cm H_2O.**

    c. **PLATEAU IS APPLIED.**

    d. **LEAK CANNOT EXCEED 15 CM H_2O IN 10 SECONDS**

15. List the four emergency operating states:

a. **AIRWAY PRESSURE DISCONNECT**

b. **BACK UP VENTILATION**

c. **SAFETY VALVE OPEN**

d. **APNEA VENTILATION**