**Alcovisor-MARK V Proficiency Test**

 **Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (Print Clearly)

**Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Company Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

\_B\_\_ 1. What type of methodology does the MARK V device use to detect alcohol?

1. Gas Chromatography
2. Electrochemical Oxidation (Fuel Cell)
3. Infrared Spectrometry
4. Saliva analysis

\_D\_\_ 2. What conditions should a test site be free from?

1. Tobacco smoke
2. Solvent vapors
3. Alcohol vapors
4. All of the above

\_B\_\_ 3. The mouthpiece for the MARK V device may be inserted:

1. Only on the very top of the device
2. From either the front or back of the device
3. With a special tool only
4. Only from the front side of the device

\_B\_\_ 4. What type of power source does the MARK V hand-held device use?

1. 9 Volt Alkaline Battery
2. 4 AAA Alkaline Batteries
3. Lithium battery pack
4. It must be plugged into a wall at all times while in use

\_B\_\_ 5. How do you turn on or off the MARK V device?

1. Press and hold the Left (red) button
2. Press and hold the Right Function (green) button for 2-3 seconds
3. Press and hold both the Left Function Button and the Right Function button simultaneously
4. Insert a mouthpiece

\_D\_\_ 6. When you turn on the MARK V device, the display will:

1. Run a self-diagnostics test
2. Do an automatic air blank check
3. Show the test record number and the message “Please Blow”
4. All of the above

\_D\_\_ 7. Another way to perform a Blank Air Check with the MARK V is to?

1. Turn on the Mark V and highlight and confirm the Settings Icon
2. Turn on the MARK V and press the Red Function Button when the screen displays Please Blow
3. Turn on the MARK V and hold down both the Green & Red Function Buttons
4. Turn on the MARK V, after it performs its regular Blank Air Check and says Please Blow, highlight and confirm the Manual window

\_D\_\_ 8. What is the Red Function button on the MARK V used for?

1. Turning on the MARK V
2. Turning off the MARK V
3. Taking a Manual Test
4. Scrolling through and highlighting items on the display
5. All of the above

\_C\_\_ 9. When a subject gives an Insufficient Sample the MARK V will:

1. Turn off
2. Display “test refused” on the screen
3. Offer you a choice to “Discontinue” or “Test Again”
4. Display “Please Blow Again” on the screen

\_\_C\_ 10. If the subject does not blow into the MARK V within the allotted 30 seconds for a test, the display

 will read:

1. Manual and Test Again
2. Please Blow and Manual
3. Refuse and Test Again
4. Refuse and Manual
5. None of the above

\_C\_\_ 11. If a subject is unable to provide a sufficient breath sample for the MARK V you should:

1. Instruct the subject on how to properly blow and repeat the test
2. Instruct the subject on how to properly blow, and take a sample manually if you feel the subject is really trying to provide a sufficient sample
3. Either of the above

\_C\_\_ 12. How many test records can the MARK V store in its memory?

1. 1,000
2. 20,000
3. 10,000
4. 5,000

\_\_E\_ 13. When a subject blows into the mouthpiece of the MARK V giving a proper breath sample the

 MARK V will?

1. Take a sample automatically
2. Make an audible sound indicating the subject is blowing
3. Count down from 100% to 0
4. Provide a BrAC result
5. All of the above

\_\_E\_\_ 14. When calibrating the MARK V you must:

1. Be properly trained for MARK V device calibration
2. Use an approved Gas Standard
3. Record the calibration and the accuracy check following it in the logbook
4. Flow the gas from the tank for at least 8 seconds through the device and press “Manual” (green button) while the gas is flowing
5. All of the above

\_E\_\_ 15. An Accuracy Check (External Calibration Check) on the MARK V DEVICE

1. Should be performed at least once a month
2. Should be performed after a positive test
3. Must be in +/- 0.005% tolerance of the set gas standard
4. Must be recorded in the instrument’s Calibration Log Book
5. All of the above

\_F\_\_ 16. The printout for the MARK V includes:

1. The time and date
2. The test number
3. The instrument’s serial number
4. The instrument’s name
5. The Blank Air Check result
6. All of the above

\_E\_\_ 17. The Quality Assurance Plan is required by:

1. The DOT Rules
2. The employee
3. NHTSA
4. The subject being tested
5. Both A and C above

\_E\_\_ 18. When printing a test result or test record with the MARK V you should?

1. Use the Red Function button to highlight the printer icon
2. Use the Green function button to confirm and print the test
3. Have the printer cable attached to the MARK V and the printer
4. Have the printer turned on
5. All of the above

\_C\_\_ 19. The Dry Gas Standard is .080%. You are at or near sea level. When entering this in the MARK V as

 a calibration preset it would be programmed in as:

1. 0.080mg/100ml
2. .800mg/100ml
3. 80.0mg/100ml
4. 8.00mg/100ml

\_C\_\_ 20. The MARK V should be taken out of service if:

1. The subject you are testing says he has not been drinking
2. The subject cannot provide a sufficient breath sample
3. The instrument has a Self-Diagnostic failure and indicates an error code
4. The instrument is out of paper

**True or False (T / F)**

1. \_\_T\_\_\_ The MARK V is calibrated at the factory prior to shipment.
2. \_\_T\_\_\_ If the battery indicator shows a low battery you should change the battery immediately.
3. \_\_F\_\_\_ The gas value in the tank is always the same, regardless of your current elevation.
4. \_\_F\_\_\_ When you perform a Blank air check a tolerance of 0.005% is acceptable.
5. \_\_T\_\_\_ You can set the MARK V to automatically print 3 copies of the printout.
6. \_\_T\_\_\_ If a subject is blowing properly you can watch the MARK V count down from 100% to 0.
7. \_\_T\_\_\_ The previous Test Results in the memory can be printed as many times as needed.
8. \_\_T\_\_\_ You must enter a password to get into the Cal. Window in advanced settings.
9. \_\_F\_\_\_ It is **not** necessary for the BAT to show the subject their test number or the air blank

 result prior to a confirmation test.

1. \_\_T\_\_\_ You must perform an Accuracy Check after calibrating the Mark V device and record it in the

accuracy check/calibration log book.