

## **ACI**

# **FIELD TESTING TECHNICIAN GRADE 1**

### AIR BY VOLUME

1. This test measures the air content in the mortar portion of the concrete. True or False (circle one)
2. The volumetric method of air measurement is only applicable to concrete with relatively dense aggregate. True or False (circle one)
3. The concrete is struck off level with the top of the bowl using \_\_\_\_\_ .
4. After proper filling and sealing the meter is picked up and agitated for at least \_\_\_\_\_ .
5. The meter should never be kept upside down for any one period longer than \_\_\_\_\_ to avoid plugging the neck.
6. The maximum amount of foam allowed for a valid test is \_\_\_\_\_ percent.
7. If too much foam is present more alcohol should be added before continuing the test. True or False (circle one)
8. Your first air reading was 6.00%. After rolling the meter and letting it stabilize again what is the most that the second air reading could be in order to consider it the final reading? \_\_\_\_\_
9. The final air content is recorded to the nearest \_\_\_\_\_ %.
10. What had appeared to be a valid test is rendered invalid if upon opening the meter you find \_\_\_\_\_ .

END OF EXAM