

ACI

FIELD TESTING TECHNICIAN GRADE 1

AIR BY PRESSURE

1. The air test must be started within _____ minutes of getting your sample.
2. The pressure method will not work well to determine the air content of concrete containing lightweight aggregate. True or False (circle one)
3. Concrete with a slump of _____ must be consolidated by vibration before performing the air test.
4. Vibration should continue until froth is present on most of the surface. True or False (circle one)
5. The optimum amount of concrete which is removed when striking off is _____ .
6. The pressure air meter should be checked for accuracy _____ .
7. You must know the aggregate correction factor to measure the air content in concrete using the pressure method. True or False (circle one)
8. Water should be introduced through one of the petcocks until _____ .
9. After pressurizing the meter the gauge is adjusted to the initial reading by using either petcock. True or False (circle one)
10. If told that an aggregate correction factor of 0.5% should be used and the meter read 5.5% after performing the test, what is the air content of the concrete? _____
11. After completing the test, pressure is released from the meter by _____ .
12. A meter with water inside the air chamber must be discarded. True or False (circle one)

END OF EXAM