

ACI

FIELD TESTING TECHNICIAN GRADE 1

STRENGTH SPECIMENS

1. What tests must be performed and results recorded for concrete which will have strength specimens molded? _____ .
2. The two sizes of cylinder molds that you may encounter are 6" x 12" and _____" x _____" .
3. Cylinder molds are for compressive strength testing and beam molds are for _____ strength testing.
4. You should use the palm of your hand instead of a mallet to tap the side of plastic cylinder molds. True or False (circle one)
5. To identifiably mark a freshly molded cylinder you should _____ .
6. Once cast cylinder molds should be moved to the initial storage location immediately. True or False (circle one)
7. If the surface of a specimen is gouged or marred while being placed in initial storage you can still use it if you immediately refinish the top. True or False (circle one)
8. The intended use of the test results will determine whether specimens are _____ cured or _____ cured.
9. If initial curing is to take place in a controlled environment, specimens of concrete which is to have a specified strength of less than 6,000 psi should be maintained at _____ degrees to _____ degrees of temperature.

(CONTINUED ON REVERSE SIDE)

10. If in question nine the specified strength of the concrete was 6,000 psi or greater the required temperature range would be from _____ degrees to _____ degrees.
11. A sample of at least _____ in size must be used when casting strength specimens.
12. Casting of strength specimens must begin within _____ minutes of preparing your sample.
13. After final set specimens should not be transported for at least _____ hour(s).

END OF EXAM