



**Fire Protection Systems Operation and  
Maintenance  
Final Exam**

1. When the *impairment* will exist for more than \_\_\_ hours, the local maintenance activity, the local fire authority, the local safety authority, and the facility or area user shall jointly develop written compensatory measures to ensure personnel safety.
  - a. 24
  - b. 72
  - c. 36
  - d. 48
  
2. *Unrequired features* can be abandoned in place pending final removal if all public interface devices are:
  - a. removed
  - b. disabled
  - c. taped off
  - d. re-labeled
  
3. The type and frequency of ITM tasks for *fire detection and alarm systems* depend on whether the system is:
  - a. older or newer
  - b. in a larger or smaller building
  - c. under-designed
  - d. monitored or not
  
4. As per Table 2-1, certain ITM tasks for Control Panel and Annunciator Equipment (monitored) should be performed:
  - a. monthly
  - b. annually
  - c. bi-annually
  - d. weekly
  
5. As per Table 2-3, certain ITM tasks for Strainers should be performed every:
  - a. year
  - b. 10 years
  - c. 5 years
  - d. 3 years

6. Main drain static or residual test pressures that vary more than \_\_\_\_ percent from the previous test readings or the original acceptance readings require immediate evaluation to determine the cause.
  - a. 5
  - b. 15
  - c. 10
  - d. 18
  
7. Low-expansion *foam systems* for flammable liquid tanks are covered in:
  - a. NFPA 212
  - b. AFFF 11
  - c. AWWA Manual 17
  - d. NFPA 11
  
8. Flow tests results that vary more than \_\_\_\_ percent from the previous test readings or the original acceptance readings require immediate evaluation to determine the cause.
  - a. 10
  - b. 15
  - c. 5
  - d. 20
  
9. Flow tests results that vary more than \_\_\_\_ percent from the previous test readings or the original acceptance readings indicate an emergency situation.
  - a. 10
  - b. 5
  - c. 18
  - d. 20
  
10. To prevent accidental release of \_\_\_\_\_ gas to the environment, do not disconnect and weigh cylinders to accomplish the annual agent quantity verification.
  - a. carbon dioxide
  - b. Halon
  - c. foam concentrate
  - d. Hydrochloric