

Trainee Name: \_\_\_\_\_

Social Security Number: \_\_\_\_\_ Date: \_\_\_\_\_

- \_\_\_\_\_ 1. Where in the NEC® would you find definitions related to hazardous locations?
- NEC Article 500**
  - NEC Article 525**
  - NEC Article 550**
  - NEC Article 555**
- \_\_\_\_\_ 2. The most severe hazardous classification is \_\_\_\_\_.
- Class III, Division 1
  - Class II, Division 1
  - Class I, Division 2
  - Class I, Division 1
- \_\_\_\_\_ 3. Which of the following groups represents the most hazardous location?
- A
  - B
  - C
  - D
- \_\_\_\_\_ 4. What is the classification and division of all floor-level areas up to a height of 18" in an airport hangar?
- Class I, Division 1
  - Class I, Division 2
  - Class II, Division 1
  - Class II, Division 2
- \_\_\_\_\_ 5. A vented service pit in a commercial garage is a \_\_\_\_\_ location.
- Class III, Division 1
  - Class II, Division 1
  - Class I, Division 2
  - Class I, Division 1
- \_\_\_\_\_ 6. Which of the following covers intrinsically safe equipment?
- NEC Article 502**
  - NEC Article 503**
  - NEC Article 504**
  - NEC Article 501**
- \_\_\_\_\_ 7. A permanent and effective seal is one method of preventing the entrance of dust into enclosures through a raceway system in a Class II, Division 2 location. Another way is a \_\_\_\_\_.
- bonding jumper
  - horizontal raceway not less than 10' in length
  - vertical raceway not less than 3' long
  - double locknut
- \_\_\_\_\_ 8. Which of the following best describes the devices that will help prevent moisture from collecting in raceway systems?
- Elbows
  - Integral drains
  - Strainers
  - Sealoff fittings
- \_\_\_\_\_ 9. A Class I, Division 1 location is best described as an atmosphere that \_\_\_\_\_ hazardous.
- is normally
  - is not normally
  - is never
  - could become

- \_\_\_\_\_ 10. The main purpose of seals or sealoffs in conduit runs is to \_\_\_\_\_.
- a. isolate different voltages from each other
  - b. prevent the passage of gases, vapors, or flames from one portion of the system to another
  - c. prevent moisture from entering the raceway system
  - d. insulate the wires
- \_\_\_\_\_ 11. The main purpose of an explosionproof flexible coupling is to connect \_\_\_\_\_.
- a. pushbutton control stations
  - b. motors to a raceway system
  - c. raceways with conductors that have varying voltages
  - d. pull boxes to a raceway system
- \_\_\_\_\_ 12. \_\_\_\_\_ is approved for use in most Class I, Division 1 locations.
- a. EMT
  - b. PVC
  - c. Liquid-tight conduit
  - d. Rigid metal conduit
- \_\_\_\_\_ 13. All of the following are ignition sources *except* \_\_\_\_\_.
- a. plugs
  - b. lighting fixtures
  - c. intrinsically safe equipment with make-or-break contacts
  - d. circuit breakers
- \_\_\_\_\_ 14. In hazardous locations where threaded metal conduit is required, joints must be made up with at least \_\_\_\_\_ threads fully engaged.
- a. 1
  - b. 3
  - c. 5
  - d. 10
- \_\_\_\_\_ 15. Anesthetizing locations of hospitals are considered to be \_\_\_\_\_ locations.
- a. Class I, Division 1
  - b. Class I, Division 2
  - c. Class II, Division 1
  - d. Class II, Division 2