

Name: _____ Date: _____

Social Security Number: _____

1. Most electrical equipment that has a metal frame must be _____.
2. When installing EMT in a wet location, what type of fittings must be used?
 - a. Setscrew
 - b. Compression
 - c. Waterproof
 - d. Steel
3. Conductors, along with splices and taps, must not fill a wireway to more than _____ of its cross-sectional area.
 - a. 20%
 - b. 30%
 - c. 75%
 - d. 90%
4. Which of the following covers the installation requirements for cable tray?
 - a. **NEC Article 333**
 - b. **NEC Article 338**
 - c. **NEC Article 392**
 - d. **NEC Article 394**
5. True or False? Two-inch IMC conduit has the same internal diameter as two-inch RMC.
6. Which of the following *cannot* be used as an equipment grounding conductor?
 - a. Rigid metal conduit
 - b. Rigid nonmetallic conduit
 - c. Electrical metallic tubing
 - d. Intermediate metal conduit
7. Flexible metal conduit can be connected to rigid metal conduit using a(n) _____ coupling.

8. Which of the following covers grounding provisions for metal boxes?
- NEC Section 500.8**
 - NEC Section 250.30**
 - NEC Section 250.54**
 - NEC Section 314.54**
9. What type of rigid nonmetallic conduit may be installed where exposed to physical damage?
- Type DB Schedule 80
 - Type DB Schedule 40
 - Type EB
 - Type 1
10. According to **NEC Section 344.30(A)**, where structural members do not readily permit fastening within three feet, what is the maximum distance from a junction box that rigid metal conduit may be run before it has to be securely fastened?
- 3 feet
 - 5 feet
 - 8 feet
 - 10 feet
11. What type of conduit body is used to provide a junction point for three intersecting conduits?
- Type LL
 - Type LR
 - Type X
 - Type T
12. When installing conduit in a wet area, a(n) _____ air space must be provided between it and the supporting surface.
13. Conductors installed in RNC are subject to a(n) _____.
- increase in operating temperature
 - decrease in operating temperature
 - increase in ampacity
 - reduced voltage drop

14. Flexible metal conduit must be supported within _____ inches of each end.
- a. 8
 - b. 10
 - c. 12
 - d. 18
15. What is the proper way to install cable underground?
- a. In a duct line
 - b. In RNC
 - c. In conductors located in tunnels
 - d. All of the above.