

Trainee Name: _____

Social Security Number: _____ Date: _____

- _____ 1. The _____ system is used for moving high-voltage electricity.
- generating
 - transmission
 - substation
 - service
- _____ 2. The _____ power supply system has its windings connected in series.
- single-phase
 - wye-connected
 - delta-connected
 - three-phase, four-wire
- _____ 3. The minimum working height near panelboards is _____.
- 6.5'
 - 8'
 - 9.5'
 - 12'
- _____ 4. The minimum length of service entrance conductors after they leave the service head is _____.
- 2.5'
 - 3.5'
 - 5'
 - 10'
- _____ 5. The general requirements for grounding are covered in _____.
- NEC Article 215**
 - NEC Article 230**
 - NEC Article 250**
 - NEC Article 300**
- _____ 6. The continuous system of conductors through which electricity flows is best described as a _____.
- distribution system
 - service raceway
 - transformer
 - generating station
- _____ 7. Power from a main panelboard to various subpanels is carried by _____.
- busbars
 - regulators
 - a capacitor
 - feeders
- _____ 8. What is the phase-to-phase voltage in a wye system if the voltage between the grounded conductor and any ungrounded conductor is 120V?
- 120V
 - 208V
 - 415V
 - 480V
- _____ 9. The color of the outer finish required to mark a phase busbar or the conductor having the higher voltage to ground is _____.
- black
 - orange
 - red
 - green

- _____ 10. Utility metering equipment is used to _____ of an electrical service.
- a. measure the power consumption
 - b. measure the voltage
 - c. lower the voltage
 - d. transmit the voltage
- _____ 11. A(n) _____ operates on the same principle as a current transformer.
- a. megger
 - b. clamp-on ammeter
 - c. ohmmeter with test leads
 - d. voltmeter with test leads
- _____ 12. Service conductors and equipment are covered in _____.
- a. **NEC Article 210**
 - b. **NEC Article 230**
 - c. **NEC Article 430**
 - d. **NEC Article 514**
- _____ 13. A three-phase, four-wire, 480V service requires _____ current transformer(s).
- a. one
 - b. two
 - c. three
 - d. four
- _____ 14. The _____ must be grounded in a bussed gutter if used as the main service equipment.
- a. neutral busbar
 - b. Phase A conductor
 - c. Phase B conductor
 - d. Phase C conductor
- _____ 15. When busbars are secured to withstand the torque created by the available amount of short circuit current, they are said to be _____.
- a. tapped
 - b. braced
 - c. jointed
 - d. spliced