

HABILIS EE TRAINING CENTER

0061 Isabel Ramiro St. (Bayug Road), Purok 6A, Tambo-Hinaplanon, Iligan City

Multiple Choice. *Select the correct answer for each of the following questions. Mark only one answer for each item by shading the box corresponding to the letter of your choice on the answer sheet provided.*

1. Other than service conductors, conductors shall not be installed in the same service raceway unless they are which of the following:
 - a.) **G**rounding conductors
 - b.) Shielded conductors
 - c.) Both of the above
 - d.) Either of the above
2. In fixed electric space heating equipment, a disconnection means shall be provided from all ungrounded conductors to which of the following equipment components:
 - a.) The heater
 - b.) Motor controllers
 - c.) Supplementary overcurrent protection devices
 - d.) **A**ll of the above
3. Computation of fluorescent fixture loads shall be based on which of the following:
 - a.) **T**he total ampere rating of the fixture
 - b.) The total wattage of the lamps
 - c.) The total volts of the wiring system
 - d.) None of the above
4. NM cable installations shall conform to which of the following:
 - a.) It may be covered with plaster
 - b.) **I**t may be fished through air voids in masonry block or tile walls
 - c.) Both of the above
 - d.) None of the above
5. Grounded interior wiring shall not be permitted to be connected to a power supply unless the supply system contains a corresponding conductor that is which of the following:
 - a.) Ungrounded
 - b.) Bonded
 - c.) **G**rounded
 - d.) None of the above
6. An automatic overcurrent device that protects service conductors supplying a specific load, such as an electric water heater, shall be permitted to be locked or sealed in order to prevent which of the following:
 - a.) Corrosion
 - b.) **D**erating of the conductors
 - c.) Tampering
 - d.) Tripping
7. A service mast used to support service drop conductors shall be supported by which of the following:
 - a.) Glass or porcelain
 - b.) Studs or hangers
 - c.) **B**races or guys
 - d.) None of the above
8. A transformer enclosure that extends directly to an underwater pool light and forms a shell must have which of the following:
 - a.) One grounding terminal
 - b.) Be of a nonmetallic material
 - c.) **T**he number of conduit entries plus one
 - d.) None of the above
9. If communications wiring is installed in a single-family home, which of the following requirements must be met:
 - a.) The wiring system must be grounded
 - b.) The grounding conductor cannot be smaller than 2.0 mm²
 - c.) The length of the primary grounding conductor cannot exceed 6100 mm.
 - d.) **A**ll of the above
10. A power system designed to prevent loss of power that could cause economic loss or business interruptions is designated as which of the following:
 - a.) Legally required stand-by system
 - b.) **O**ptional stand-by system
 - c.) Interconnected power stand-by system
 - d.) None of the above
11. Low-power network-powered broadband communications circuits are permitted in the same raceway as which of the following:
 - a.) Non-power limited cabling
 - b.) **P**ower-limited fire alarm circuits
 - c.) Normal power cabling
 - d.) Low-power network-powered broadband circuits cannot run in raceways with any other type of circuits.
12. Sealed cans of gasoline may be stored in which of the following locations:
 - a.) Class 1, Division 1
 - b.) Class 2, Division 1
 - c.) **C**lass 1, Division 2
 - d.) Class 2, Division 2
13. Circuit conductors that supply power conversion equipment included as part of an adjustable-speed drive system must have an ampacity of which of the following:
 - a.) At least 125 percent of the motor's full-load current
 - b.) **N**ot less than 125 percent of the rated input to the power conversion equipment
 - c.) Not less than 50 percent of the maximum ampacity listed on the equipment nameplate
 - d.) All of the above
14. The disconnection means for a 400 volt motor circuit must have an ampere rating of which of the following:
 - a.) At least 125 percent of the motor's full-load current
 - b.) **N**ot less than 115 percent of the full-load current rating of the motor
 - c.) 120 amps
 - d.) Equal to or greater than that the ampacity listed on the motor equipment
15. A when a transformer is used to create a three-phase, four-wire distribution system from a three-phase, three-wire ungrounded system, the transformer must meet which of the following installation requirements:
 - a.) The transformer must not be switched
 - b.) The transformer must be directly connected to the ungrounded phase conductors
 - c.) The transformer shall not be provided with overcurrent protection that is independent from the main switch and common-trip overcurrent protection for a three-phase, four-wire system
 - d.) **A**ll of the above
16. If a transformer vault is not protected by an automatic sprinkler system, then it must have a minimum fire resistance and structural strength of which of the following periods of time:
 - a.) 2 hours
 - b.) 4 hours
 - c.) **3** hours
 - d.) 6 hours

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