HABILIS EE TRAINING CENTER

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

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 u | inless they are w | which of the following: |
|----|-------------------------------|-----------------------------|-----------------------|-------------------|-------------------|-------------------------|
| ١. | Other than service conductors | , conductors shall not be i | installed in the same | service raceway u | iniess they are w | mention the following. |

| | , , , , |
|--|---|
| a.) Grounding conductors | c.) Both of the above |
| b.) Shielded conductors | d.) Either of the above |
| equipment components: | hall be provided from all ungrounded conductors to which of the following |
| a.) The heater | c.) Supplementary overcurrent protection devices |
| b.) Motor controllers Computation of fluorescent fixture loads shall be based on which of | d.) All of the above |
| Computation of fluorescent fixture loads shall be based on which of a.) The total ampere rating of the fixture | c.) The total volts of the wiring system |
| b.) The total wattage of the lamps | d.) None of the above |
| 4. NM cable installations shall conform to which of the following: | |
| a.) It may be covered with plaster | c.) Both of the above |
| b.) It may be fished through air voids in masonry block or tile walls | 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 | c.) Grounded |
| b.) Bonded | d.) None of the above |
| An automatic overcurrent device that protects service conductors su permitted to be locked or sealed in order to prevent which of the foll | |
| a.) Corrosion | c.) Tampering |
| b.) Derating of the conductors | d.) Tripping |
| 7. A service mast used to support service drop conductors shall be su | |
| a.) Glass or porcelain | c.) Braces or guys |
| b.) Studs or hangers | d.) None of the above |
| 8. A transformer enclosure that extends directly to an underwater pool | |
| a.) One grounding terminal | c.) The number of conduit entries plus one |
| b.) Be of a nonmetallic material9. If communications wiring is installed in a single-family home, which | d.) None of the above |
| a.) The wiring system must be grounded | or the following requirements must be met. |
| b.) The grounding conductor cannot be smaller than 2.0 mm ² | |
| c.) The length of the primary grounding conductor cannot exceed 6 | 100 mm. |
| d.) All of the above | |
| 10. A power system designed to prevent loss of power that could caus | e economic loss or business interruptions is designated as which of the |
| following: | · · · · · · · · · · · · · · · · · · · |
| a.) Legally required stand-by system | c.) Interconnected power stand-by system |
| b.) Optional stand-by system | d.) None of the above |
| Low-power network-powered broadband communications circuits a a.) Non-power limited cabling | are permitted in the same raceway as which of the following. |
| b.) Power-limited fire alarm circuits | |
| c.) Normal power cabling | |
| d.) Low-power network-powered broadband circuits cannot run in ra | aceways with any other type of circuits. |
| 12. Sealed cans of gasoline may be stored in which of the following loo | cations: |
| a.) Class 1, Division 1 | c.) Class 1, Division 2 |
| b.) Class 2, Division 1 | d.) Class 2, Division 2 |
| | ed 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.) Not less than 125 percent of the rated input to the power conversion | sion equipment |
| c.) Not less than 50 percent of the maximum ampacity listed on the | |
| d.) All of the above | - 4 |
| 14. The disconnection means for a 400 volt motor circuit must have an | n ampere rating of which of the following: |
| a.) At least 125 percent of the motor's full-load current | |
| b.) Not less than 115 percent of the full-load current rating of the mo | otor |
| c.) 120 amps | |
| d.) Equal to or greater than that the ampacity listed on the motor eq | |
| transformer must meet which of the following installation requirement | stribution system from a three-phase, three-wire ungrounded system, the |
| a.) The transformer must not be switched | 115. |
| b.) The transformer must be directly connected to the ungrounded p | hase conductors |
| | |
| c.) The transformer shall not be provided with overcurrent protection | that is independent from the main switch and common-trip overcurrent |
| c.) The transformer shall not be provided with overcurrent protection protection for a three-phase, four-wire system | |
| protection for a three-phase, four-wire system d.) All of the above | |

<mark>c.)</mark> 3 hours d.) 6 hours

of which of the following periods of time:

a.) 2 hours b.) 4 hours

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:

| | | The same service raceway amous they are which of the renewing. | | | |
|--|--|---|--|--|--|
| a.) Grounding | conductors | c.) Both of the above | | | |
| b.) Shielded o | | d.) Either of the above | | | |
| 2. In fixed electr | c space heating equipment, a disconnection means s | hall be provided from all ungrounded conductors to which of the following | | | |
| equipment co | mponents: | | | | |
| a.) The heate | r | c.) Supplementary overcurrent protection devices | | | |
| b.) Motor cont | trollers | d.) All of the above | | | |
| 3. Computation | of fluorescent fixture loads shall be based on which of | the following: | | | |
| | impere rating of the fixture | c.) The total volts of the wiring system | | | |
| b.) The total v | vattage of the lamps | d.) None of the above | | | |
| | allations shall conform to which of the following: | | | | |
| | covered with plaster | c.) Both of the above | | | |
| , . | ished through air voids in masonry block or tile walls | 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 | | | | | |
| | t is which of the following: | | | | |
| a.) Unground | ed | c.) Grounded | | | |
| b.) Bonded | | d.) None of the above | | | |
| | | upplying a specific load, such as an electric water heater, shall be | | | |
| • | e locked or sealed in order to prevent which of the foll | | | | |
| a.) Corrosion | of the conductors | c.) Tampering | | | |
| | of the conductors | d.) Tripping | | | |
| | st used to support service drop conductors shall be su | | | | |
| a.) Glass or p b.) Studs or h | | c.) Braces or guys d.) None of the above | | | |
| , | 0 | light and forms a shell must have which of the following: | | | |
| a.) One grour | | c.) The number of conduit entries plus one | | | |
| , 0 | nmetallic material | d.) None of the above | | | |
| | tions wiring is installed in a single-family home, which | | | | |
| | system must be grounded | | | | |
| | ding conductor cannot be smaller than 2.0 mm ² | | | | |
| | of the primary grounding conductor cannot exceed 6 | 100 mm. | | | |
| d.) All of the a | | | | | |
| 10. Á power sys | tem designed to prevent loss of power that could caus | e economic loss or business interruptions is designated as which of the | | | |
| following: | | | | | |
| a.) Legally red | quired stand-by system | c.) Interconnected power stand-by system | | | |
| b.) Optional s | tand-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: | | | | | |
| , , | er limited cabling | | | | |
| | ted fire alarm circuits | | | | |
| c.) Normal po | | | | | |
| | r network-powered broadband circuits cannot run in ra | | | | |
| | of gasoline may be stored in which of the following lo | | | | |
| a.) Class 1, D | | c.) Class 1, Division 2 | | | |
| b.) Class 2, E | | d.) Class 2, Division 2 | | | |
| | | ed as part of an adjustable-speed drive system must have an ampacity of | | | |
| which of the f | 25 percent of the motor's full-load current | | | | |
| | | sion aquipmont | | | |
| b.) Not 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 a | | equipment nameplate | | | |
| | ection means for a 400 volt motor circuit must have ar | ampere rating of which of the following: | | | |
| | 5 percent of the motor's full-load current | rampere raung of which of the following. | | | |
| , | an 115 percent of the full-load current rating of the mo | ntor | | | |
| c.) 120 amps | | | | | |
| | r greater than that the ampacity listed on the motor eq | uipment | | | |
| 15. A when a tra | insformer is used to create a three-phase, four-wire di | stribution system from a three-phase, three-wire ungrounded system, the | | | |
| | oust meet which of the following installation requirement | | | | |
| a.) The transformer must not be switched | | | | | |
| | ormer must be directly connected to the ungrounded p | hase conductors | | | |
| | | n that is independent from the main switch and common-trip overcurrent | | | |
| protection for | a three-phase, four-wire system | | | | |
| d.) All of the a | bove | | | | |
| | a substant de la sector de la sector de la sector de la sector de la seconda de la seconda de la seconda de la | the second descent is a second second fine second state as a second state of the second second second second se | | | |

 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

| C. |
|----|
| d. |

c.) 3 hours d.) 6 hours

b.) 4 hours