## **HABILIS EE TRAINING CENTER**

a.) Grounding conductors

# 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.

c.) Both of the above

1. Other than service conductors, conductors shall not be installed in the same service raceway unless they are which of the following:

b.	.) Shielded conductors	d.) Either of the above	
		hall be provided from all ungrounded conductors to which of the following	
equipment components:			
a.	) The heater	c.) Supplementary overcurrent protection devices	
b.	.) Motor controllers	d.) All of the above	
3. C	omputation of fluorescent fixture loads shall be based on which of	the following:	
a.	.) The total ampere rating of the fixture	c.) The total volts of the wiring system	
	.) The total wattage of the lamps	d.) None of the above	
4. N	M cable installations shall conform to which of the following:		
	) It may be covered with plaster	c.) Both of the above	
	.) 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			
	onductor that is which of the following:		
	.) Ungrounded	c.) Grounded	
	) Bonded	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		
	ermitted to be locked or sealed in order to prevent which of the follo		
	) Corrosion	c.) Tampering	
	Derating of the conductors	d.) Tripping	
	service mast used to support service drop conductors shall be sup	· · · · · · · · · · · · · · · · · · ·	
	.) Glass or porcelain	c.) Braces or guys	
	.) Studs or hangers	d.) None of the above	
	transformer enclosure that extends directly to an underwater pool.) One grounding terminal		
	.) One grounding terminal .) Be of a nonmetallic material	c.) The number of conduit entries plus one d.) None of the above	
	communications wiring is installed in a single-family home, which	,	
	.) The wiring system must be grounded	or the following requirements must be met.	
	.) The grounding conductor cannot be smaller than 2.0 mm <sup>2</sup>		
	.) The length of the primary grounding conductor cannot exceed 61	00 mm	
	.) All of the above	oo min.	
		e economic loss or business interruptions is designated as which of the	
	ollowing:	o destruition to de de destruite de la designate de la miner de trie	
	) Legally required stand-by system	c.) Interconnected power stand-by system	
	Optional stand-by system	d.) None of the above	
	Low-power network-powered broadband communications circuits a	,	
	) Non-power limited cabling	g	
	Power-limited fire alarm circuits		
C.	) Normal power cabling		
d.	) Low-power network-powered broadband circuits cannot run in ra	ceways 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	c.) Class 1, Division 2	
	.) Class 2, Division 1	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			
	hich of the following:		
	) At least 125 percent of the motor's full-load current		
	) Not less than 125 percent of the rated input to the power convers	·	
	) Not less than 50 percent of the maximum ampacity listed on the	equipment nameplate	
	.) All of the above		
14. The disconnection means for a 400 volt motor circuit must have an ampere rating of which of the following:			
	.) At least 125 percent of the motor's full-load current		
	Not less than 115 percent of the full-load current rating of the mo	tor	
	) 120 amps		
	.) Equal to or greater than that the ampacity listed on the motor equ		
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			
	ansformer must meet which of the following installation requiremer  .) The transformer must not be switched	its.	
	.) The transformer must het directly connected to the ungrounded p	has a conductors	
c.) The transformer shall not be provided with overcurrent protection that is independent from the main switch and common-trip o protection for a three-phase, four-wire system			
d.) All 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:			
	.) 2 hours	c.) 3 hours	
	.) 4 hours	d.) 6 hours	
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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	e same service raceway unless they are which of the following:		
a.) Grounding conductors	c.) Both of the above		
b.) Shielded conductors	d.) Either of the above		
2. In fixed electric space heating equipment, a disconnection means sh	all be provided from all ungrounded conductors to which of the following		
equipment components:			
a.) The heater	c.) Supplementary overcurrent protection devices		
b.) Motor controllers  Computation of fluorescent fixture leads shall be based on which of the	d.) All of the above		
<ol><li>Computation of fluorescent fixture loads shall be based on which of t a.) The total ampere rating of the fixture</li></ol>	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., reduced and above		
a.) It may be covered with plaster	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	c.) Grounded		
,	d.) None of the above		
6. An automatic overcurrent device that protects service conductors support and the ball and a sealed in and a temperature in the service conductors.			
permitted to be locked or sealed in order to prevent which of the follo			
a.) Corrosion     b.) Derating of the conductors	c.) Tampering d.) Tripping		
7. A service mast used to support service drop conductors shall be sup			
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 I	ight and forms a shell must have which of the following:		
a.) One grounding terminal	c.) The number of conduit entries plus one		
	d.) None of the above		
9. If communications wiring is installed in a single-family home, which of	of the following requirements must be met:		
a.) The wiring system must be grounded			
b.) The grounding conductor cannot be smaller than 2.0 mm <sup>2</sup>	00		
c.) The length of the primary grounding conductor cannot exceed 610	uu mm.		
<ul><li>d.) All of the above</li><li>10. A power system designed to prevent loss of power that could cause</li></ul>	a economic loss or husiness interruntions is designated as which of the		
following:	e economic loss of business interruptions is designated as which of the		
· · · · · · · · · · · · · · · · · · ·	c.) Interconnected power stand-by system		
b.) Optional stand-by system	d.) None of the above		
11. Low-power network-powered broadband communications circuits a	re permitted in the same raceway as which of the following:		
a.) Non-power limited cabling			
b.) Power-limited fire alarm circuits			
c.) Normal power cabling			
d.) Low-power network-powered broadband circuits cannot run in rac			
12. Sealed cans of gasoline may be stored in which of the following loc			
a.) Class 1, Division 1 b.) Class 2, Division 1	c.) Class 1, Division 2 d.) Class 2, Division 2		
13. Circuit conductors that supply power conversion equipment include			
which of the following:	a ab part of arradigotable opeca arrive system mast have arrampaonly c		
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 convers	ion equipment		
c.) Not less than 50 percent of the maximum ampacity listed on the e	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.) Not less than 115 percent of the full-load current rating of the mot	tor		
c.) 120 amps	inmont		
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transformer must meet which of the following installation requiremen			
a.) The transformer must not be switched	···		
b.) The transformer must be directly connected to the ungrounded ph	nase conductors		
	ransformer 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	·		
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16. If a transformer vault is not protected by an automatic sprinkler syst	tem, then it must have a minimum fire resistance and structural strength		
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