

2017 Master Code Practice Exam - 100 Question

1.	Type MV cable (Medium Voltage) shall be permitted for use on power systems rated up to and including 35,000 volts, nominal, in which of these circumstances:
	A. In wet or dry locationsB. Direct buriedC. In messenger-supported wireD. All of the above
2.	Using the Standard Method, what is the calculated service rating for a 1500 square feet dwelling with the following:
	 (2) 20-A small appliance circuits (1) 20-A laundry circuit (2) 4-kW wall-mounted ovens (1) 5.1-kW counter-mounted cooking unit (1) 4.5-kW water heater, a 1.2 kW dishwasher (1) 5-kW clothes washer and dryer (6) 7-A, 240-V room air-conditioning units (1) 1.5-KW permanently installed bathroom space heater
	Note - use the column C method, rather than the column A method for this specific problem
	A. 115A B. 162A C. 153A D. 175A

- Where CNG or LNG dispensers are installed beneath a canopy or enclosure, all electrical
 equipment installed beneath the canopy or enclosure shall be suitable for _____
 hazardous (classified) locations.
 - A. Class II, Division 2
 - B. Class I, Division 1
 - C. Class II, Division 1
 - D. Class I, Division 2
- 4. The ampacity of the supply conductors for an individual resistance welder that can be operated at different times at different values of primary current or duty cycle shall not be less than _____ of the rated primary current for seam and automatically fed welders.

	B. C.	25% 70% 75% 80%
5.	•	equipment is supplied by more than one source, feeder, or branch circuit, the neans shall be
	A.	located within 10 ft of equipment
		grouped
		terminated to an equipment grounding conductor originating at the service all of these
6.		ng energy storage systems to other sources, only inverters and ac modules listed s shall be permitted on interactive systems.
	A.	active
	B.	reactive
	_	non-active
7		interactive
1.		ir garage where natural gas vehicles are repaired, the area within 18 inches of the dered what classification?
	A.	Class I, Division 2
		Class II, Division 2
		Class I, Division 1
	D.	Class II, Division 1
8.	cooking unit an	naximum demand load for a single branch circuit supplying a counter-mounted d two wall-mounted ovens, all located in the same room. The counter-mounted eplate rating of 6 kW, and each wall-mounted oven has a rating of 4 kW.
	A.	8.8kW
	B.	7.7kW
		11kW
	D.	14kW
9.		otal square footage of 25,000sq-ft, and there are 250 receptacles installed. argest receptacle load to be applied to the total demand load.
	A.	55,000VA
	B.	50,000VA
	C.	46,000VA
	D.	45,000VA
10.	A restaurant ha 50,000 VA.	s all electric appliances, a connected lighting load that includes a sign, totaling

	The electrical service is rated at 120/208V, three-phase.		
	The restaurant contains the following loads:		
	120-volt loads		
	60 duplex receptacles		
	100 ft multi-outlet assembly (simultaneous rated)		
	1 broiler 5 kW		
	2 deep fryers 5.5 kW		
	1 freezer 3,400 VA		
	1 booster heater 1,500 VA		
	1 coffee service machine 3,500 VA		
	1 dishwasher 3,500 VA		
	208-volt loads		
	1 walk-in cooler 6,400 VA		
	1 water heater 4,800 VA		
	1 oven 20 kW		
	1 range 15 kW		
	2 convection ovens 8kW		
	15kW electric heater		
	14 kW AC		
	3 exhaust fans 2.4 ampere		
	s 1 cooktop 10kW		
	2 10kw heating units.		
	What is the total demand load for the restaurant?		
	A. 214,550VA		
	B. 122,700VA		
	C. 162,940VA		
	D. 160,000VA		
11.	What are the primary and secondary overcurrent protection devices for a 75kVA three-phase,		
	480V/208Y transformer?		
	A. 125A primary, 300A secondary		
	B. 150A primary, 300A secondary		
	C. 250A primary, 300A secondary		
	D. 350A primary, 320A secondary		
12.	A phase converter with a nameplate single-phase input rating of 100 FLA, protecting variable		
	loads, shall have overcurrent protection set at not more than		
	· · · · · · · · · · · · · · · · · · ·		
	A. 100A		
	B. 125A		
	C. 150A		
	D. 225A		
	 -		
13	What is the maximum size overcurrent protection device required to protect 14 AWG copper		
10.	conductors used for a pump motor control-circuit that is protected by a motor branch circuit		
	protection device and extends beyond the enclosure?		
	protection device and extends beyond the enclosure?		

	B.	15A 20A
		45A 100A
14.	_	ers shall be designed and mounted such that all electrical equipment and fixed
	wiring will be at	least above floor level.
	A.	6 inches
	B.	12 inches
	C.	18 inches
	D.	24 inches
15.	-	tached power supply cable(s) for overhead gantries shall be provided with
		oon exposure to strain that could result in either cable damage or separation from
	the power deliv	ery device and exposure of live parts.
		a means to de-energize the cable conductors and power service delivery device
		ground-fault interrupter protection
		arc-fault protection
	D.	a means to energize the cable conductors and power service delivery device
16.		floor is 70 ft by 10 ft and has two small appliance circuits; a 1000-VA, 240-V 'A, 120-V exhaust fan; a 400-VA, 120-V dishwasher; and a 7000-VA electric range.
	•	
		30A
		40A 50A
		60A
	D.	
17.	Each conductor	r of a lead-in from an outdoor antenna shall be provided with a(n)
	A.	equipment grounding conductor
		listed antenna discharge unit
	C.	listed disconnecting means
	D.	grounding electrode
18.	An energy man	agement system shall not override the load shedding controls for the following:
	A.	Fire Pumps
	B.	Legally Required Standby Systems
	C.	Emergency Systems
	D.	All of these
		inimum size THWN conductors required to feed the primary side of a 112.5kVA 0V/208V transformer?

A. 1/0 THWN Primary, 400 kcmil THWN SecondaryB. 2/0 THWN Primary, 500 kcmil THWN Secondary

		3/0 THWN Primary, 550 kcmil THWN Secondary 4/0 THWN Primary, 600 kcmil THWN Secondary
20.	stored, the area	where flammable liquids are received by a pipeline and are blended in bulk and a within 3 ft of the edge of outdoor equipment, extending in all directions, shall be
	considered a _	environment
	A.	Class I, Division 2
		Class II, Division 2
		Class II, Division 1
	D.	Class I, Division 1
21.	shall not be gre ground-fault pro	e overcurrent protective device for the circuit supplying the industrial control panel eater than the sum of the largest rating of the branch-circuit short-circuit and otective device provided with the industrial control panel,, plus the oad currents of all other motors and apparatus that could be in operation at the
	A.	plus 150% of the FLA rating of all resistance heating loads
	B.	plus 125% of the FLA rating of all resistance heating loads
		plus 100% of the FLA rating of all resistance heating loads
	D.	plus 80% of the FLA rating of all resistance heating loads
22.		nits shall be identified at terminal and junction locations in a manner that during testing and servicing of other systems.
		identifies the nominal voltage rating of the system
		is legible helps to prevent unintentional signals on fire alarm circuit(s)
		allows emergency workers to easily find the means of disconnection
23.	conduit, or threa	riring in motor fuel dispensing facilities shall be installed in threaded rigid metal aded steel intermediate metal conduit, or where buried under not less than cover, shall be permitted to be installed in Type PVC, Type RTRC, or Type HDPE
	A.	1 foot
	B.	2 feet
		3 feet
	D.	6 feet
24.		er shall be required if the space between the resistors and reactors and any aterial is less than
	A.	24 inches
	B.	18 inches
		12 inches
	D.	6 inches

25.	As a fixed wiring method encased in inch(es) of concrete, nonmetallic raceways shall be permitted to be used where installed in an occupancy where 100 or more people gather or assemble.
	A. ½ B. 1 C. 2 D. 3
26.	Type ITC cable shall not be installed on circuits operating at more than
	 A. 150V or more than 5A B. 1,000V or more than 10A C. 600V or more than 10A D. 250V or more than 5
27.	Power-limited control power sources, other than transformers, shall be protected by overcurrent devices rated at not more than of the VA rating of the source divided by the rated voltage.
	A. 125% B. 100% C. 167% D. 200%
28.	Where capacitors are installed in motor circuits, conductors shall not be less than of the rated current of the capacitor.
	A. 80% B. 115% C. 125% D. 135%
29.	A three-phase 230V wound-rotor motor rated at 15HP requires short-circuit and ground-fault protection. The manufacturer calls for a non time delay fuse to protect the motor. What size fuse shall be selected?
	A. 40A B. 45A C. 50A D. 60A
30.	An industrial machine's name plate shall be attached to the control equipment enclosure or machine and shall be plainly visible after installation. The nameplate shall include:

A. supply voltage, number of phases, frequency, and FLA

C. efficiency and power factor rating

B. minimum ampere rating of the short-circuit and ground-fault protective device

	D.	ampere rating of largest motor, from the motor nameplate, or load
		r sheath of a mineral-insulated, metal-sheathed cable is made of, it adequate path to serve as an equipment grounding conductor.
	В. С.	copper aluminum steel nickel
		Il be constructed, installed, or equipped with shades or guards so that combustible subjected to temperatures in excess of
	В. С.	90°F 104°F 194°F 200°F
purposes, sl	hall	on electrically driven irrigation machines, where used for control and signal have a current rating not less than of the full-load current of the served plus the full-load current of all other devices served.
	A.	125%
		200%
		175%
	D.	100%
		cuit rating for an appliance that is a continuous load shall not be less than of the marked rating.
	Α.	75%
		83%
	C.	100%
	D.	125%
35. Raceways s	hall	l be used only as a means of support for other raceways where the raceway
	A.	contains only 600V conductors
	B.	is identified as a means of support
	C.	is installed above a grid ceiling
	D.	is installed as a complete assembly
the conductor	or o	Ita-connected system where the midpoint of one phase winding is grounded, only or busbar having the higher phase voltage to ground shall be durably and arked by an outer finish that is in color or by other effective means.
	Α	purple
	л. В.	

37.	7. What is the allowable ampacity for a flexible 3-conductor Type SO-cord with three current-carrying 12 AWG conductors?	
	Α.	18A
		20A
		25A
	D.	30A
38.	Heat-resistant t	hermoplastic-insulation covering 8 AWG conductors are listed for use in locations.
	Α.	outdoor
		indoor
		wet
		dry and damp
39.		ch circuits that supply two pieces of utilization equipment, and are not protected by device which opens all ungrounded conductors simultaneously, shall supply only
	Α.	line-to-neutral loads
		three-phase loads
		line-to-line loads
		line-to-ground loads
40.	Overhead cond	luctors for festoon lighting shall not be smaller than 12 AWG unless the conductors
	Α.	no longer than 50 feet in length
		of the type THWN, THHN, or XHHW
		supported by messenger wires
		listed for use in damp locations
41.	switchgear, par	not over feet long and do not extend beyond the switchboard, nelboard, disconnecting means, or control devices they supply shall be permitted thout overcurrent protection at the tap.
	A.	5
		10
	C.	15
	D.	25
42.	secondary cond	ductors supply a transformer and the total length of one primary plus one ductor, excluding any portion of the primary conductor that is protected at its tover 25ft, conductors shall

C. orangeD. yellow

		be permitted to be tapped, without overcurrent protection at the tap be tapped without overcurrent protection at the tap	
43.		overhead clearance from water level to an insulated overhead 240-volt fee a pool and supported on a steel messenger cable is fe	
	В. С.	14.5 22.5 25 27	
44.		ctors, for each phase, polarity, neutral, or grounded circuit shall be permitt arallel only in sizes	ed to be
	В. С.	1/0 AWG and larger 1 AWG and larger 2/0 AWG and larger 250 Kcmil and larger	
45.	•	elets in or on floors shall not be counted as part of the required number of ets unless located within inches of the wall.	
	C.	6 12 18 24	
46.		talled in RMC in a trench below 2 inches of thick concrete must have a minches.	inimum
	C.	6 12 18 24	
47.	means are loca	system, if the source of the separately derived system and the first disconated in separate enclosures, a supply-side bonding jumper shall be install fuctors from the source enclosure to the first disconnecting means. A supply shall not be required to be larger than the conductors	ed with ply-side
	В. С.	grounded grounding derived ungrounded grounding electrode equipment	
48.		nductor ampacity for a single-phase 240/120V Single-Family Dwelling rate be permitted to have an ampacity not less than of the service	

A. shall be protected at 200% the ampacity of the feeder being tapped.B. be protected at 125% the ampacity of the feeder being tapped

	A.	80%
	B.	83%
	C.	100%
		125%
49.	protect wires from equivalent protect provided between	ere the armor of cable terminates, a fitting shall be provided to om abrasion, unless the design of the outlet boxes or fittings is such as to afford ection, and, in addition, an insulating bushing or its equivalent protection shall be en the conductors and the armor.
	A.	AC
	B.	MC
	C.	NM
	D.	UF
50.	connected load	and service load calculations shall be permitted for a dwelling unit having the total served by a single 120/240V or 208Y/120V set of service or feeder an ampacity of 100 or greater.
	Α	2-wire
		3-wire
		parallel
	D.	independent
51.		stalled in a kitchen to serve countertop surfaces shall be supplied by not fewer small-appliance branch circuit(s).
	Δ	
	Λ.	one
		one two
	B.	two
	B. C.	two three
	B. C.	two
52.	B. C. D.	two three
52.	B. C. D. Conductors that set at not more	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity.
52.	B. C. D. Conductors that set at not more	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity.
52.	B. C. D. Conductors that set at not more A. B.	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity. 100 125
52.	B. C. D. Conductors tha set at not more A. B. C.	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity. 100 125 150
52.	B. C. D. Conductors tha set at not more A. B. C.	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity. 100 125
	B. C. D. Communication than	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity. 100 125 150 200 ns, radio, and television coaxial cables shall be permitted at a height of not less above swimming and wading pools, diving structures, and observation stands,
	B. C. D. Conductors that set at not more A. B. C. D. Communication	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity. 100 125 150 200 ns, radio, and television coaxial cables shall be permitted at a height of not less above swimming and wading pools, diving structures, and observation stands,
	B. C. D. Conductors that Set at not more A. B. C. D. Communication than towers, or platform. A. B. A. B. B. C. D. Communication than The communication than A. B.	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity. 100 125 150 200 as, radio, and television coaxial cables shall be permitted at a height of not less above swimming and wading pools, diving structures, and observation stands, brms. 10ft 12ft
	B. C. D. Conductors that set at not more A. B. C. D. Communication than towers, or platform. A. B. C.	two three four t supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity. 100 125 150 200 as, radio, and television coaxial cables shall be permitted at a height of not less above swimming and wading pools, diving structures, and observation stands, prms. 10ft

54.	A 120-208V 3-phase panel with exposed live parts on one side, and no live or grounded parts or the other side of the working space, must have a minimum clear working distance of in front of the panel.
	A. 3 feetB. 3 feet 6 inchesC. 4 feetD. 4 feet 6 inches
55.	The total cross-sectional area of a 2 inch EMT conduit is 3.356 square inches and has (6) 12 AWG conductors inside it. What is the total area allowed to be taken up by all conductors in this conduit?
	A. 2.343 square inchesB. 2.013 square inchesC. 1.566 square inchesD. 1.342 square inches
56.	In an electrical room with exposed 480/277V live parts on one side of the working space and grounded parts on the other side of the working space, the minimum depth of working space in front of this equipment shall be
	A. 3 feetB. 3 feet 6 inchesC. 4 feetD. 4 feet 6 inches
57.	The supply-side bonding jumper for a 240V single-phase service fed with (2) parallel 300 kcmil Aluminum ungrounded conductors is aluminum.
	A. 1/0 B. 2 AWG C. 3/0 D. 4 AWG
58.	A concrete-encased electrode shall consist of at least 20 feet of:
	 A. Bare copper conductor not smaller than 4 AWG B. Insulated copper conductor not smaller than 4 AWG C. Bare copper conductor not smaller than 6 AWG D. Insulated copper conductor not smaller than 6 AWG
59.	where the tubing is terminated in listed fittings and the circuit conductors contained in the tubing are protected by overcurrent devices rated at 20A or less are allowed to be considered an equipment grounding conductor.
	A. Flexible Nonmetallic Tubing B. Flexible metallic tubing

		Electrical Nonmetallic Tubing Electrical Metallic Tubing
60.	The operating hopening a door	nandle of a circuit breaker shall be permitted to be accessible or cover.
	A.	while
		after
	_	before
	D.	without
61.		that contains a(n) or uninsulated equipment grounding be used as an EGC.
	۸	atool
		steel insulated
		shielded
		waterproof
62.	material likely to circuit from any	system, electrical equipment, wiring, and other electrically conductive become energized shall be installed in a manner that creates a low-impedance point on the wiring system to the electrical supply source to facilitate the ercurrent devices should a second ground fault from a different phase occur on the
	A.	1-phase 3-wire
	B.	3-phase 4-wire
		ungrounded
	D.	grounded
63.	Overcurrent pro	otection for supply conductors as part of a Modular Data Center, shall:
	A.	consist of a single circuit breaker or set of fuses
	B.	at no point be considered either as feeders or as taps. d) not require
		supplementary overcurrent protection if below 150V to ground.
	C.	be marked "OVERCURRENT PROTECTION PROVIDED AT MDC SUPPLY
	D.	TERMINALS." Both A and C
64.		9 ranges installed. Each range has a rating of 8 kW. What is the maximum at should be used for calculating the service and feeder size?
	A.	18.9kW
		24.5kW
		25.2 kW
	D.	32.2kW

65. Determine the maximum size inverse-time breaker to be installed as motor short-circuit and

ground-fault protection for a 25HP, 460V, 3-phase, squirrel-cage motor.

	В. С.	110A 90A 85A 70A
66.		Limited Circuits shall be supplied from a source that has a rated output of not volts and 1000 volt-amperes.
	A.	30
	B.	40
		50
	D.	75
67.	The service dis	connecting means for each service shall consist of a combination of not more that switches or sets of circuit breakers.
	A.	1
	B.	
	C.	6
	D.	12
68.	Busway runs th	nat have sections located both inside and outside of buildings shall have a(n) at the building wall to prevent interchange of air between indoor and outdoor
	sections.	
		bushing
		bonding bushing
		vapor seal
	D.	4 hour fire barrier
69.		x parking space equipment provided from either overhead gantry or cable ystems shall in electrified truck parking space supply
		utilize a moisture-resistant power supply cable
		utilize a temporarily attached power supply cable utilize a twist
		lock power supply cable
	D.	utilize a permanently attached power supply cable
70.		nded to interrupt current at other than fault levels shall have an interrupting rating
	at nominal circu	uit voltage the current that must be interrupted.
		at least greater than
		matching
		at most, less than
	D.	at least equal to

71.		ts of	uipment lampholders shall be permitted to be operated in _, provided the voltage rating of the lampholders is not less
	В. С.	over 150V to ground over 300V to ground over 50V to ground over 120V to ground	
72.			g shall be permitted to occupys with other general wiring.
	В. С.	only two separate nonmetallic the same	
73.		• •	over, a time-delay feature permitting a minimum ovided to avoid retransfer in case of short-time
	B. C.	15-minute 20-minute 30-minute 60-minute	
74.	that runs over t		onductors supported on a solidly grounded messenger wire living platform. What is the minimum clearance these atform?
	В. С.	14.5 feet 17 feet 18 feet 22.5 feet	
75.			ection for a hermetic motor-compressor shall have a rating the motor-compressor rated-load current.
	В. С.	125 % 150 % 175 % 225 %	
76.			facility classified separately, Class I, Zone 2 locations shall ass I, Division 2 locations.
	B.	be installed above abut, but not overlap overlap	

	D.	be installed below					
77.	7. The radius of the curve of the inner edge of any bend of Type SE cable, during or after installation, shall not be less than the diameter of the cable.						
	B. C.	five times six times seven times eight times					
78.	A 3-phase 240\ bonding jumper	V service fed with 2/0 aluminum conductors shall have a minimum size main of what size?					
	В. С.	2 AWG aluminum 4 AWG copper 6 AWG aluminum 6 AWG copper					
79.	A receptacle ou	utlet is not required at one- and two-family dwellings for the service of					
	B. C.	AC condensers evaporative coolers hot water heaters pool equipment					
80.		t supply one or more resistance welders shall be protected by an overcurrent set at not more than of the conductor ampacity.					
	B. C.	80% 125% 200% 300%					
81.	power systems	which critical operations power systems (COPS) are present with other types of described in other sections in this article, the cover plates for the receptacles or themselves supplied from the COPS shall					
	В. С.	be labeled with its supplied voltage rating have a distinctive color or marking so as to be readily identifiable be labeled with its circuit number and panel it's supplied from be bonded to the building grounding electrode conductor in a manner that establishes a low-impedance ground-fault path					
82.	_	spended ceiling power distribution systems shall be permanently connected and red for listed utilization equipment capable of operation at a maximum of					

		30V AC 42.4V AC
83.		can satisfactorily determine that flammable liquids having a flash point below, will not be handled, such location shall not be required to be classified.
	В. С.	104°F, 121°F 212°F 100°F
84.		ce and feeders shall be calculated on the basis of not less thanruck parking space.
	B. C.	5 kVA 8 kVA 11 kVA 12 kVA
85.	one location an	service disconnecting means in separate enclosures are grouped at d supply separate loads from one service drop, one set of service-entrance ll be permitted to supply each or several such service equipment enclosures.
	B. C.	one to five one to six two to six three to six
86.		res of battery support systems shall be provided with support e cells, or shall be constructed with a continuous insulating material.
	В. С.	nonconducting metallic independent reinforced
87.		d conductors 4 AWG or larger are pulled straight through a multioutlet assembly, tween raceway and cable entries enclosing the same conductor shall not be less.
	C.	six times the metric designator (trade size) of the largest raceway. eight times the metric designator (trade size) of the largest raceway. two times the metric designator (trade size) of the largest raceway. four times the metric designator (trade size) of the largest raceway.
88.	and	ed location shall be supplied by at least two branch circuits, one from the one from the normal system. All branch circuits from the normal system shall same panelboard

B. 24.8V AC

		isolated grounding system
		emergency override
		energy-storage system
	D.	critical branch
89.	The minimum b	pending radius for 1 inch nonmetallic underground conduit with conductors shall be
	no less than	.
	A.	18 inches
		14 inches
	C.	12 inches
	D.	6 inches
90.	No conductor la	arger than shall be installed, except by special permission, in Cellular
	Metal Floor Ra	• • • • • • • • • • • • • • • • • • • •
	Δ	3/0 AWG
		2/0 AWG
		1 AWG
		1/0 AWG
01	Mhoro multimo	tor and combination load equipment is installed outdoors on a roof, an equipment
91.		tor and combination-load equipment is installed outdoors on a roof, an equipment ductor of the wire type shall be installed in outdoor portions of metallic raceway
	•	se
	Δ.	non thus and all fittings
		non-threaded fittings
		expansion fittings compression fittings
		threaded fittings
	D.	tilleaded littilige
92.		al reinforcing steel is not available or encapsulated in a nonconductive compound, uctor(s) shall be utilized where all of the following requirements are met, except:
	A.	The required conductor shall be 450 to 600 mm (18 to 24 in) from the inside wall of the pool
	B.	The conductors shall follow the contour of the perimeter surface
	C.	The required conductor shall be secured within or under the perimeter surface
		120 mm to 170 mm (6 in to 8 in) below the subgrade
	D.	At least one minimum 8 AWG bare solid copper conductor shall be provided
93.	A Class II or Cl	ass III, Division 1 or Division 2 location shall be permitted to be reclassified as a
		21, or Zone 22 location, provided that all of the space that is classified because of
	_	stible dust or ignitible fiber/flying source is under the
	requirements o	f this article.
	A.	reclassified
	B.	identified
	C.	classified

	D.	listed					
94.		/C conduit, Type RTRC conduit, or cable with a nonmetallic sheath is used, an shall be included to provide for electrical continuity of the raceway system and					
	for grounding o	f non–current- carrying metal parts.					
	B.	grounding electrode conductor main bonding jumper equipment grounding conductor					
		none of these					
95	22ΔWG control	circuit conductors with 75°C insulation in a 30°C ambient environment shall have					
00.		pacity of for permanent amusement attractions.					
	Δ.						
		2A 3A					
		4A					
		5A					
06	The capacity of	the stand-alone supply shall be equal to or greater than the load posed by the					
90.	The capacity of	utilization equipment(s) connected to the stand-alone system.					
		largest two					
		total combined load of all					
		smallest single largest single					
97.	The ampacity of the supply conductors for a resistance welder that may be operated at different times at different values of primary current or duty cycle shall not be less than						
	umes at umerer	of the rated primary current for seam and automatically fed welders, and					
		of the rated primary current for manually operated nonautomatic welders.					
		40% / 60%					
		50% / 70%					
	_	60% / 40%					
	D.	70% / 50%					
98.		and control panels exceedingin width, there shall be one					
	entrance at eac	ch end of the equipment.					
	A.	6 feet					
	B.	5 feet					
	C.	4 ½ feet					
	D.	4 feet					
99.	Type MV cable	terminated in equipment shall be secured and supported at intervals not					
		from terminations or a maximum ofbetween					
	supports.						

A.	4 ft, 5 ft
B.	5 ft, 5 ft
C.	5 ft, 6 ft

D. 6 ft, 4 ft

100.	In agricultural	buildings th	e bonding	conductor	used for	equipotential	planes	shall be	solid	copper,
	insulated, cov	ered or bar	e, and not	smaller tha	n	·				

- A. 2 AWG
- B. 4 AWG
- C. 6 AWG
- D. 8 AWG