

2023 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, 230-V room air-conditioning units (1) 1.5-KW permanently installed bathroom space heater
	A. 115A B. 137.85A C. 153A D. 162A
3.	Where CNG or LNG dispensers are installed beneath a canopy or enclosure, all electrical

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.

equipment installed beneath the canopy or enclosure shall be suitable for ______

hazardous (classified) locations.

A. Class I, Division 1B. Class I, Division 2C. Class II, Division 1D. Class II, Division 2

B. 70%

5.	Where heating equipment is supplied by more than one source, feeder, or branch circuit, the disconnecting means shall be
	A. grouped and identified as having multiple disconnecting means
	B. located within 10 ft of equipment
	C. terminated to an equipment grounding conductor originating at the serviceD. all of these
	b. and those
6.	The connection of an Energy Storage System (ESS) that operates in parallel with other ac
	sources shall use inverters that are listed and identified as interactive.
	A. active
	B. reactive
	C. interactive
	D. non-active
7.	In a major repair garage where natural gas vehicles are repaired, the area within 18 inches of the ceiling is considered what classification?
	A. Class I, Division 1
	B. Class I, Division 2
	C. Class II, Division 1
	D. Class II, Division 2
8.	Calculate the maximum demand load for a single branch circuit supplying a counter-mounted cooking unit and two wall-mounted ovens, all located in the same room. The counter-mounted unit has a nameplate rating of 6 kW, and each wall-mounted oven has a rating of 4 kW.
	A. 7.7kW
	B. 8.8kW
	C. 11kW
	D. 14kW
9.	A bank has a total square footage of 25,000 sq-ft, and there are 250 receptacles installed. Determine the largest receptacle load to be applied to the total demand load.

10. A restaurant has all electric appliances, a connected lighting load that includes a sign, totaling 50,000 VA.

The electrical service is rated at 120/208V, three-phase.

The restaurant contains the following loads:

A. 45,000VAB. 46,000VAC. 50,000VAD. 55,000VA

C. 75%D. 80%

	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 amperes 1 cooktop 10kW 2 10kw heating units. What is the total demand load for the restaurant? A. 122,700VA B. 160,000VA C. 162,940VA D. 214,550VA
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 conductors used for a pump motor control-circuit that is protected by a motor branch circuit protection device and extends beyond the enclosure?

A. 15A

		20A 45A
		100A
14.	_	ers shall be designed and mounted such that all electrical equipment and fixed least above floor level.
	A.	6 inches
		12 inches
		18 inches
	D.	24 inches
15.	up	tached power supply cable(s) for overhead gantries shall be provided with con exposure to strain that could result in either cable damage or separation from tery device and exposure of live parts.
	Α	arc-fault protection
		ground-fault interrupter protection
		a means to energize the cable conductors and power service delivery device
		a means to de-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.
	A.	30A
		40A
	C.	50A
	D.	60A
17.	Each lead-in co	onductor from an outdoor antenna shall be provided with a(n)
	A.	listed antenna discharge unit
		grounding electrode
	C.	equipment grounding conductor
	D.	listed disconnecting means
18.	An energy man	agement system shall not override the load shedding controls for the following:
	A.	Fire Pumps
	B.	Emergency Systems
		Legally Required Standby Systems All of these
10		
19.		ninimum size THWN conductors required to feed the primary side of a 112.5kVA 0V/208V transformer?

A. 1/0 THWN Primary, 400 kcmil THWN Secondary
B. 2/0 THWN Primary, 500 kcmil THWN Secondary
C. 3/0 THWN Primary, 550 kcmil THWN Secondary

	D.	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 environment
	В. С.	Class I, Division 1 Class I, Division 2 Class II, Division 1 Class II, Division 2
21.	shall not be gre ground-fault pro	e overcurrent protective device for the circuit supplying the industrial control panel ater 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
	В. С.	plus 80% of the FLA rating of all resistance heating loads plus 150% of the FLA rating of all resistance heating loads plus 125% of the FLA rating of all resistance heating loads plus 100% of the FLA rating of all resistance heating loads
22.		its shall be identified at terminal and junction locations in a manner that during testing and servicing of other systems.
	В. С.	allows emergency workers to easily find the means of disconnection helps to prevent unintentional signals on fire alarm circuit(s) identifies the nominal voltage rating of the system is legible
23.	conduit, or threa	iring 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
	B.	1 foot 2 feet 3 feet

24.	A thermal barrier shall be required if the space between the resistors or reactors and an
	combustible material is less than

A. 6 inches

D. 6 feet

- B. 12 inches
- C. 18 inches
- D. 24 inches

25.		occupancy a panelboard installed in a listed commercial appliance outlet center floor mounting shall be permitted to be orientated
	В. С.	in the face-down position sideways upside down in the face-up position
26.	• •	shall not be installed on circuits operating at more
	B. C.	150V or more than 5A 250V or more than 5A 600V or more than 10A 1,000V or more than 10A
27.		ontrol power sources, other than transformers, shall be protected by overcurrent t not more than of the VA rating of the source divided by the rated
		100%
		125% 167%
		200%
28.	Where capacito	ors are installed in motor circuits, conductors shall not be less than _ of the rated current of the capacitor.
	A.	80%
		115%
		125% 135%
29.	-	230V wound-rotor motor rated at 15HP requires short-circuit and ground-fault manufacturer calls for a non time delay fuse to protect the motor. What size fuse ed?
		40A
		45A 50A
		60A
30.		achine's name plate shall be attached to the control equipment enclosure or nall be plainly visible after installation. The nameplate shall include:

A. ampere rating of largest motor, from the motor nameplate, or load

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

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

B. efficiency and power factor rating

31.		r sheath of a mineral-insulated, metal-sheathed cable is made of, it
	shall provide an	adequate path to serve as an equipment grounding conductor.
	A.	aluminum
	B.	nickel
		copper
	D.	steel
32.		I be constructed, installed, or equipped with shades or guards so that combustible subjected to temperatures in excess of
	A.	90°F
		104°F
	C.	194°F
	D.	200°F
33.	_	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
		erved plus the full-load current of all other devices served.
	Δ	100%
		175%
		125%
		200%
34.		uit rating for an appliance that is a continuous load shall not be less than of the marked rating.
	А	75%
		83%
		100%
	D.	125%
35.	Raceways shall	be used only as a means of support for other raceways where the raceway
		.
	A.	is identified as a means of support
	B.	is installed as a complete assembly
	C.	contains only 600V conductors
	D.	is installed above a grid ceiling
36.		Ita-connected system where the midpoint of one phase winding is grounded, only
		r 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.
		yellow
		orange
	C.	purple

	D.	white
37.		wable ampacity for a flexible 3-conductor Type SO-cord with three g 12 AWG conductors?
	B. C.	30A 25A 20A 18A
38.	Heat-resistant t	hermoplastic-insulation covering 8 AWG conductors are listed for use in locations.
	В. С.	dry and damp wet outdoor indoor
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
	В. С.	Line-to-ground loads Line-to-line loads Three-phase loads Line-to-neutral loads
40.	Overhead cond	luctors for festoon lighting shall not be smaller than 12 AWG unless the conductors
	В. С.	supported by messenger wires listed for use in damp locations of the type THWN, THHN, or XHHW no longer than 50 feet in length
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.
	C.	5 10 15 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 over 25ft, conductors shall

A. be permitted to be tapped, without overcurrent protection at the tap

		be protected at 125% the ampacity of the feeder being tapped shall be protected at 200% the ampacity of the feeder being tapped
43.		verhead clearance from water level to an insulated overhead 240-volt feeder pool and supported on a steel messenger cable is feet.
	B. C.	27 25 22.5 14.5
44.		conductors for each ungrounded conductor, grounded conductor, or neutral be permitted to be connected in parallel only in sizes
	В. С.	250 Kcmil and larger 1 AWG and larger 2/0 AWG and larger 1/0 AWG and larger
45.		ets 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 minimum inches.
	C.	6 12 18 24
47.	means are loca	system, if the source of the separately derived system and the first disconnecting ted in separate enclosures, a supply-side bonding jumper shall be installed with uctors from the source enclosure to the first disconnecting means enclosure. Anding jumper shall not be required to be larger than the
	В. С.	grounded derived ungrounded grounding electrode equipment grounding
48.		nductor ampacity for a single-phase 240/120V Single-Family Dwelling rated be permitted to have an ampacity not less than of the service rating

B. be tapped without overcurrent protection at the tap

	Ο.	83%
	C.	100%
	D.	125%
49.	At all points wh	nere 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
		een the conductors and the armor.
	A.	MC
	B.	NM
	C.	UF
	D.	AC
50.	connected load	r and service load calculations shall be permitted for a dwelling unit having the total served by a single 120/240-volt or 208Y/120-volt set of service or cors with an ampacity of 100 or greater.
	A.	3-wire
	B.	parallel
	C.	2-wire
	D.	independent
51.		stalled in a kitchen to serve countertop surfaces shall be supplied by not fewer small-appliance branch circuit(s).
51.	than	
51.	thanA.	small-appliance branch circuit(s).
51.	thanA. B.	small-appliance branch circuit(s). One
51.	thanA. B. C.	Small-appliance branch circuit(s). One Two
	A. B. C. D.	Small-appliance branch circuit(s). One Two Three
	A. B. C. D.	Small-appliance branch circuit(s). One Two Three Four
	A. B. C. D. Conductors that set at not more	one Two Three Four at supply one or more welders shall be protected by an overcurrent device rated or
	A. B. C. D. Conductors that set at not more A.	Small-appliance branch circuit(s). One Two Three Four at supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity.
	A. B. C. D. Conductors that set at not more A. B.	small-appliance branch circuit(s). One Two Three Four at supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity.
	A. B. C. D. Conductors that set at not more A. B. C.	small-appliance branch circuit(s). One Two Three Four at supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity.
52.	A. B. C. D. Conductors that set at not more A. B. C. D. Communication	small-appliance branch circuit(s). One Two Three Four at supply one or more welders shall be protected by an overcurrent device rated or than percent of the conductor ampacity. 100 125 150
52.	A. B. C. D. Conductors that set at not more A. B. C. D. Communication	small-appliance branch circuit(s). One Two Three Four at 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,
52.	A. B. C. D. Conductors that set at not more A. B. C. D. Communication than towers, or platform	small-appliance branch circuit(s). One Two Three Four at 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,
52.	A. B. C. D. Conductors that set at not more A. B. C. D. Communication than towers, or platfore.	small-appliance branch circuit(s). One Two Three Four at 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, forms.
52.	A. B. C. D. Conductors that set at not more A. B. C. D. Communication than towers, or platform A. B.	small-appliance branch circuit(s). One Two Three Four at 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, forms. 10ft

A. 80%

54. A 120-208V 3-phase panel with exposed live parts on one side, and no live or groun the other side of the working space, must have a minimum clear working distance of in front of panel.		of the working space, must have a minimum clear working distance of
	A.	3 feet
	B.	3 feet 6 inches
	C.	4 feet
	D.	4 feet 6 inches
55. The total cross-sectional area of a 2 inch EMT conduit is 3.356 square inches and has (6) AWG conductors inside it. What is the total area allowed to be taken up by all conductors conduit?		
	A.	1.342 square inches
		1.566 square inches
		2.013 square inches
		2.343 square inches
56.	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	
	Α.	3 feet
		3 feet 6 inches
		4 feet
		4 feet 6 inches
57.	57. The supply-side bonding jumper for a 240V single phase service fed with (2) parallel 300 kcr Aluminum ungrounded conductors is aluminum.	
	Δ	1/0
		3/0
		2 AWG
		4 AWG
58.	58. A concrete-encased electrode shall consist of at least 20 feet of:	
	A.	Insulated copper conductor not smaller than 4 AWG
		Bare copper conductor not smaller than 6 AWG
		Bare copper conductor not smaller than 4 AWG
		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. 	
	Λ	Floetrical Motallic Tubing
		Electrical Metallic Tubing
	В.	Electrical Nonmetallic Tubing

C. Flexible Nonmetallic Tubing

	D.	Flexible metallic tubing
60.	60. The operating handle of a circuit breaker shall be permitted to be accessible opening a door or cover.	
	В. С.	without while after before
61.		that contains a(n) or uninsulated equipment grounding be used as an EGC.
	B. C.	steel shielded insulated waterproof
62.	62. In a(n) system, electrical equipment, wiring, and other electrically conduct material likely to become energized shall be installed in a manner that creates a low-impedan circuit from any point on the wiring system to the electrical supply source to facilitate the operation of overcurrent devices should a second ground fault from a different phase occur or wiring system.	
	В. С.	grounded ungrounded 3-phase 4-wire 1-phase 3-wire
63.	Overcurrent pro	otection for supply conductors as part of a Modular Data Center, shall:
	В. С.	consist of a single circuit breaker or set of fuses at no point be considered either as feeders or as taps be marked "OVERCURRENT PROTECTION PROVIDED AT MDC SUPPLY TERMINALS." not require supplementary overcurrent protection if below 150V to ground Both A and C
64.	_	9 ranges installed. Each range has a rating of 8 kW. What is the maximum nat should be used for calculating the service and feeder size?
	C.	18.9kW 24.5kW 25.2 kW 32.2kW
65.		maximum size inverse-time breaker to be installed as motor short-circuit and otection for a 25HP, 460V, 3-phase, squirrel-cage motor.

A. 110A

		90A 85A
		70A
66.		s shall be supplied from a source that has a rated output of not more than volts and 1000 volt-amperes.
	A.	30
		40
		50 75
67.	The service dis	connecting means for each service shall consist of a combination of not more than switches or sets of circuit breakers.
	A.	1
	В.	
	C.	6 12
	D.	12
68.	Busway runs th	at have sections located both inside and outside of buildings shall have a(n)
	sections.	at the building wall to prevent interchange of air between indoor and outdoor
	A.	4 hour fire barrier
		bushing
		bonding bushing vapor seal
	Β.	vapor sour
69.		s parking space equipment provided from either overhead gantry or cable systems shall in electrified truck parking space supply
		utilize a temporarily attached power supply cable utilize a twist lock power supply cable
		utilize a moisture-resistant 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 uit voltage the current that must be interrupted.
	٨	at least greater than
		at least greater than at least equal to
		matching
	D.	at most, less than
71.		ial process heating equipment lampholders shall be permitted to be operated in ts of, provided the voltage rating of the lampholders is not less voltage.

		over 150V to ground
		over 50V to ground
		over 120V to ground
	D.	over 300V to ground
72.	• • •	d standby system wiring shall be permitted to occupyes, boxes, and cabinets with other general wiring.
	raceways, cable	es, boxes, and cabinets with other general willing.
		separate
		only two
		nonmetallic
	D.	the same
73.	In generator se	ts driven by a prime mover, a time-delay feature permitting a minimum
		setting shall be provided to avoid retransfer in case of short-time
	reestablishmen	t of the normal source.
	A.	15-minute
	B.	20-minute
	C.	30-minute
	D.	60-minute
74.	There is a set of	of 3 overhead 7200V conductors supported on a solidly grounded messenger wire
	that runs over t	he pool, and over the diving platform. What is the minimum clearance these
	conductors mus	st be from the diving platform?
	A.	14.5 feet
	B.	17 feet
	C.	18 feet
	D.	22.5 feet
75.	The short-circuit	it and ground-fault protection for a hermetic motor-compressor shall have a rating
		of the motor-compressor rated-load current.
	A.	125 %
	B.	150 %
	C.	175 %
	D.	225 %
76.	In instances of	areas within the same facility classified separately, Class I, Zone 2 locations shall
		Class I, Division 2 locations.
	A.	abut, but not overlap
		overlap
		be installed above
	D.	be installed below

77.		ne curve of the inner edge of any bendall not be less than	
		five times	
		six times	
		seven times eight times	
78.	A 3-phase 240\ bonding jumper		uctors shall have a minimum size main
	Α.	2 AWG aluminum	
		4 AWG copper	
	C.	6 AWG aluminum	
	D.	6 AWG copper	
79.	A receptacle ou	utlet is not required at one- and two-fa	mily dwellings for the service of
		pool equipment evaporative coolers	
		AC condensers	
		hot water heaters	
80.		t supply one or more resistance weldeset at not more than	ers shall be protected by an overcurrent of the conductor ampacity.
	A.	80%	
	B.	125%	
	_	200%	
	D.	300%	
81.	power systems		ns (COPS) are present with other types of icle, the cover plates for the receptacles or shall
	A.	have a distinctive color or marking so	o as to be readily identifiable
		<u> </u>	electrode conductor in a manner that
		establishes a low-impedance ground	•
		be labeled with its circuit number and	
	D.	be labeled with its supplied voltage r	ating
82.		spended ceiling power distribution system for listed utilization equipment cap	stems shall be permanently connected and able of operation at a maximum of
	Δ	24.8V AC	
		30V AC	

C. 42.4V AC

	D.	60V 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.
	Δ	100°F
		100 T
		121°F
		212°F
84.		ce and feeders shall be calculated on the basis of not less than
	per electrified to	ruck parking space.
	A.	5 kVA
	B.	8 kVA
	C.	11 kVA
	D.	12 kVA
85.	Where	service disconnecting means in separate enclosures are grouped at
		d supply separate loads from one service drop, one set of service-entrance II be permitted to supply each or several such service equipment enclosures.
	A.	one to five
	B.	one to six
	C.	two to six
	D.	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.
	A.	metallic
	B.	reinforced
	C.	independent
	D.	nonconducting
87.	the distance be	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
	than	
	A.	six times the metric designator (trade size) of the largest raceway
	B.	eight times the metric designator (trade size) of the largest raceway.
	C.	

88. Each patient bed location shall be supplied by at least two branch circuits, one from the _____ and one from the normal system. All branch circuits from the normal system shall originate in the same panelboard.

D. two times the metric designator (trade size) of the largest raceway

- A. critical branch
- B. emergency override

	D.	energy-storage system
89.	The minimum b	pending radius for 1 inch nonmetallic underground conduit with conductors shall be
	Α.	6 inches
		12 inches
		14 inches
		18 inches
90.		arger than shall be installed, except by special permission, in Cellular
	Metal Floor Ra	ceways.
		1 AWG
		1/0 AWG
		2/0 AWG
	D.	3/0 AWG
91.		ent is installed outdoors on a roof, an equipment grounding conductor of the wire stalled in outdoor portions of metallic raceway systems that use
	۸	threaded fittings
		expansion fittings
		non-threaded fittings
		compression-type fittings
92.	unpaved portio	unencapsulated steel welded wire reinforcement used for equipotential bonding of ns of perimeter surfaces shall be located within unpaved surface(s) between elow finished grade.
	Δ	4 in. to 6 in.
		4 in. to 8 in.
		6 in. to 12 in.
		6 in. to 18 in.
93	A Class II or Cl	ass III, Division 1 or Division 2 location shall be permitted to be reclassified as a
٠٠.		21, or Zone 22 location, provided that all of the space that is classified because of
		stible dust, combustible fiber/flying, or ignitible fiber/flying source is under the requirements of this article.
	Δ	classified
	В.	identified
		reclassified
		listed
94.	Where Type P\	/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.

C. isolated grounding system

	В. С.	grounding electrode conductor main equipment grounding conductor bonding jumper none of these	
95.		circuit conductors with 75°C insulation in a 30°C ambient environme pacity of for permanent amusement attractions.	nt shall have
	B. C.	2A 3A 4A 5A	
96. The capacity of the sum of all sources of the stand-alone supply shall be equal to or great the load posed by the utilization equipment(s) connected to the stand system.		-	
	В. С.	smallest single total combined load of all largest two largest single	
97. The ampacity of the supply conductors for a resistance welder that may be operated at difference 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, and of the rated primary current for manually operated nonautomatic welders		ers, and	
	В. С.	40% / 60% 50% / 70% 60% / 40% 70% / 50%	
98. On switchgear and control panels exceedingin width, there shall be entrance at each end of the equipment.		be one	
	B. C.	4 feet 4 ½ feet 5 feet 6 feet	
99.	• •	terminated in equipment shall be secured and supported at intervals from terminations or a maximum of	not _between
	В. С.	4 ft, 5 ft 5 ft, 5 ft 5 ft, 6 ft 6 ft, 4 ft	

100.	In agricultural buildings the bonding conductor used for equipotential planes shall be solid copper, insulated, covered or bare, and not smaller than			
	A.	2 AWG		
	B.	4 AWG		
	C.	6 AWG		
	D.	8 AWG		