1.	Flexible cords and cables shall be used only for the following except for a. Elevator cables b. Wiring of cranes and hoists c. Prevention of the transmission of noise or vibration d. Where run through doorways, windows, or similar openings
2.	 According to PEC, which of the following is not a standard practice? a. Conductors shall be secured in a manner that does not tend to cut or abrade the insulation. b. Conductor insulation shall be protected from abrasion where it passes through metal. c. Splices and taps shall not be located within luminaire (fixture) arms or stems. d. Splices or taps shall be made within or on a luminaire (fixture).
3.	 Which of the following is not correct Flexible cord shall be of the hard-service type. a. Having conductors not smaller than the branch-circuit conductors b. Having ampacity at least equal to the branch-circuit over current device c. Having an equipment grounding conductor. d. Having an enough Tension to carry 24 kg weight.
4.	 Which of the following is the least required by the Code? Flexible cords shall be secured to the undersides of showcases so that a. Wiring is not exposed to mechanical damage. b. A separation between cases not in excess of 50 mm or more than 300 mm between the first case and the supply receptacle is ensured. c. The free lead at the end of a group of showcases has a female fitting not extending beyond the case. d. There is still an allowable 150 non heating conductor for the connection at the junction box
5.	Luminaires (fixtures) that require adjusting or aiming after installation shall not be required to be equipped with a/an provided the exposed cord is of the hard-usage or extra-hard-usage type and is not longer than that required for maximum adjustment. The cord shall not be subject to strain or physical damage. a. attachment plug or cord connector
6.	A bushing or the equivalent shall be provided where flexible cord enters at The bushing shall be of insulating material unless a jacketed type of cord is used. a. the base or stem of a portable lamp b. the conduit c. the junction box c. Service cap at the service point
7.	Additional feeders or branch circuits shall be permitted to supply the following except for. a. Fire pumps b. Emergency systems c. Legally required standby systems d. Motor of the Elevator
8.	Additional feeders or branch circuits shall be permitted where the capacity requirements are in excess of amperes at a supply voltage of volts or less. a. 2000, 600
9. a. 6	switches or circuit breakers mounted in a single enclosure, in a group of separate enclosures, or in or on a switchboard.

10. The vertical clearances of all service-drop conductors shall be based on conductor temperature of, no wind, with final unloaded sag in the wire, conductor, or cable. a. 15°C c. 60°C d. 75°C
 11. A grounded conductor shall be permitted to be uninsulated as follows except for. a. Bare copper used in a raceway b. Bare copper for direct burial where bare copper is judged to be suitable for the soil conditions c. Bare copper for direct burial without regard to soil conditions where part of a cable assembly identified for underground use. d. Aluminum
 12. The ampacity of the service-entrance conductors before the application of any adjustment of correction factors shall not be less than. a. The sum of the noncontinuous loads plus 100 percent of continuous loads b. The sum of noncontinuous load plus the continuous load if the service-entrance conductors terminate in an overcurrent device where both the overcurrent device and its assembly are listed for operation at 100 percent of their rating c. 100 percent of the maximimum permissible load d. 115 of the rating of the disconnect
 13. Service cables, where subject to physical damage, shall be protected by any of the following except for. a. Rigid metal conduit b. Intermediate metal conduit c. Rigid nonmetallic conduit suitable for the location d. Split knob and tube
 14. The standard ampere ratings for fuses and inverse time circuit breakers are any of the following except for. a.35 b. 45 c.125 d.185
 15. According to PEC restricted access shall be defined as located behind one of the following except for. a. Removable and sealable covers over the adjusting means b. Bolted equipment enclosure doors c. Locked doors accessible only to qualified personnel d. MV switch gear
 16. Overcurrent devices shall be readily accessible unless one of the following applies. a. For busways b. For supplementary overcurrent protection c. For overcurrent devices in a fuse cut out d. For overcurrent devices adjacent to utilization equipment that they supply, access shall be permitted to be by portable means.
17. The allowable ampacity of conductor are rated up tovolts. a. 600 b. 2000 c. 1000 d. 220
 The ampacity of 3.5 sq mm THWN copper conductor is 30 A in free air. What will be its allowable ampacity if it will be directly buried. a. 20 b. 35 c. 25 d. 40

19.	In dwelling units and guest I shall not exceed 230 V, non Which one is not included in a. Lighting fixture b. 1440 VA connected load c. Load less than 1/4 hp d. 200 W per receptacle	ninal between conductor n the standard?		
20.	For ranges 8 ¾ kW or more a. 35	rating, the minimum Brab. 40	anch Circuit shall be. c. 50	d. 45
21.	What shall be the minimum a. 2.0 sq mm.	size of conductor for sig b. 3.5 sq. mm		d. 8.0 sq mm
22.	An outlet dedicated only to sthe minimum size of conduction	ctor in the outlet?		
	a. 2.0 sq mm.	b. 3.5 sq. mm	c. 5.5 sq mm	d. 8.0 sq mm
23.	A 100 % demand factor sha a. 5 b. 4	ıll only apply for Electric	Clothes dryer up c. 6	units or less.
24.	15 dwelling units has a dem a. 40 %	and factor of. b. 50%	c. 30 %	d. 100%
25.	Overhead conductor for fest a. 2.0 sq mm.	toon lighting shall not be <mark>b. 3.5 sq. mm</mark>		d. 8.0 sq mm
26.	In Lighting system, A span	exceeding	m, the conductor shall be	e supported
	by a. 15, rossete	b.10, mast	c. 12, messenger wire	d. 5, plenum
27.	What shall be the minimum a. 1000 mm b. 1000 m		reen open conductor. c. 10 mm	d. 1 mm
28.	What shall be the minimum a. 3000 mm b. 300 i	•	on Poles. c. 30 mm	d. 3 mm
29.	What shall be the minimum nominal voltage of 600 V.			_
	a. 5500 mm b. 760 ı	<mark>mm</mark>	c. 1900 mm	d. 1000 mm
30.	The size of bonding jumper derived from the transforme copper and			
	a. 2.0 sq mm, 3.5 sq mm c. 5.5 sq mm, 8.0 sq mm		b. 3.5 sq. mm, 5.5 sq m d. 8.0 sq mm, 14.0 sq n	
31.	The size of conductor fro gr	ounding of instrument tra		
	a. 2.0 sq mm, 3.5 sq mm c. 5.5 sq mm, 3.5 sq mm		b. 3.5 sq. mm, 5.5 sq m d. 8.0 sq mm, # 8 AWG	

32.	Where installed in rac	ceways, conductors of	size	_ and larger shall be)
	a. 14.0 sq mm.	b. 3.5 sq. mm	c. 5.5 sq mi	m d. 8.0 s	<mark>q mm</mark>
33.	According to PEC on parallel to form a sing	ly conductors	or larger are perr	nitted to be connecte	ed in
	a. 50 sq mm		c. 14.0 sq n	nm d. 200 s	sq mm
34.	Which of the following a. zinc	g is not an approved co b. cadmium	orrosion resistant ma c. enamel	terial for conduit? <mark>d. Nicke</mark>	<mark>el</mark>
35.	This particular size of a. 2.0 sq mm.	f wire can still be opera b. 3.5 sq. mm	ated from 2 kV up to 8 c. 5.5 sq mi		<mark>q mm</mark>
36.	Thermoplastic insula a10°C	tion material may stiffe c. 50°C	n @ temperature of. c. 10°C	d40°C	;
37.		clearance between co b. 300 mm	onductors operating a c. 75 mm	t 600 V. d. 65 mm	
38.	between bare curren will not be less than	ll be securely and rigid t-carrying metal parts o	of different potential m	nounted on the same	
		o. 30 mm	c. 75 mm	d. 35 mm	
39.		be permitted within gut doors. The conductors % of its area.			
	a 85	b. 60	c. 75	d. 90	
40.	Recessed fluorescen a minimum clearance storage space.	t luminaires (fixtures) i e ofbetween	nstalled in the wall or the luminaire (fixture	the ceiling, provided) and the nearest poi	there is int of a
		o. 300 mm	c. 75 mm	d. 65 mm	
41.	a. In closetsb. Over walls	not be installed in the f	ū	atad ainala wuqa af	
	embedded cable	at extend to the ceiling		ated single runs of	
42.	_	vitch-controlled lighting		ed in every habitable	e room
	and bathroom.	o. two	c. three	d. none	
43.	removable truck pane circuit is disconnecte automatically disconnecte	be required vels or metal-enclosed so and that, when remonent the circuit breaker	switchgear units that oved from the normal or switch from all end	cannot be opened un operating position,	

except for.		ge, shall be protected by any of the following		
a. IMC	b. RMC c. EMT	d. SMC		
on standard voltag disconnect switch	. The meter disconnect is a load-break disconnect switch designed to interrupt the service load on standard voltage services with self-contained meter sockets. The purpose of the meter disconnect switch is to facilitateexcept for			
a. Meter change		naintenance		
c. disconnect serv	ice d. 6	extension point		
side of the service a. Low-impedar b. surge arrester c. surge-protecti	 Which of the following element are not permitted to be connected and installed on the supply side of the service disconnecting means. a. Low-impedance shunt circuits b. surge arresters c. surge-protective capacitors d. instrument transformers (current and voltage) 			
any current	than the interrupting capacity stem will not cause the switch b. lower	es employed shall be capable of interrupting of the switch during a time that the ground-to open.		
		the equipmentconductor of a e cutout or switch disconnects all sources of b. ungrounded not		
one of the followin a. A green, not r b. A green, hexa				
generating station from the station ge	bus. A switch with	s that may be disconnected from the action used to disconnect the outside circuit nect these circuits to ground would satisfy the nore than one circuit. b. tumbler		