Instructions: **Fee $40**

1. Print these pages.
2. Circle the correct answers and transfer them to the answer sheet on last pages.
3. Page down to the last page for the verification forms and mailing instructions.
4. Use this link (click here) for reference material and your 2023 NEC code book (optional).
5. 90 questions are listed in a straight order format throughout the complete quiz.

2023 NEC Changes Part 3

This course is valid for these credentials:

Credential Description	Cred Code	Credit Hours
Registered/Beginner Electrician	BE	3.0
Commercial Electrical Inspector	CEI	3.0
Industrial Journeyman Electrician	IJE	3.0
Journeyman Electrician	JE	3.0
Master Electrician	ME	3.0
Residential Journeyman Electrician	RJE	3.0
Residential Master Electrician	RME	3.0
UDC-Electrical Inspector	UEI	3.0

2023 NEC Changes Part 3

1. 406.12 Tamper-Resistant Receptacles. Exception to (1) through (10): (1) Receptacles in the following locations shall not be required to be tamper resistant: (1) Receptacles located more than _____ above the floor.
    a. 5 1/2 ft
    b. 1.7 m
    c. 6’
    d. both a or b
2. 406.12 Tamper-Resistant Receptacles. Exception to (1) through (10): (2) Receptacles that are part of _____.
    a. a luminaire
    b. an appliance
    c. an application
    d. both a or b
3. 406.12 Tamper-Resistant Receptacles. Exception to (1) through (10): (3) Where the receptacle outlet is installed within the space occupied by or designated for each appliance that, in normal use, is not easily moved from one place to another and is cord-and-plug-connected in accordance with 400.10(A)(6), (A)(7), or (A)(8) the following are permitted:

a. A single receptacle that is not readily accessible and supplies one appliance
b. A duplex receptacle that is not readily accessible and supplies two appliances
c. both a or b
d. neither a or b

4. 406.12 Tamper-Resistant Receptacles. Exception to (1) through (10): (4) _____ receptacles used for replacements as permitted in 406.4(D)(2)(a*)*.

a. grounding
b. grounded
c. Nongrounding
d. both a or b

5. Article 409 Industrial Control Panels 409.70 Surge Protection. Safety circuits for personnel protection that are subject to damage from surge events shall have surge protection installed _____ to the control panel.

a. within
b. immediately adjacent
c. both a or b
d. both a and b

6. 410.71 Disconnecting Means for Fluorescent or LED. Luminaires that Utilize Double-Ended Lamps. (1) General. In indoor locations other than dwellings and associated accessory structures, fluorescent or LED luminaires that utilize double-ended lamps and contain ballast(s) or LED driver(s) that can be serviced in place shall have a disconnecting means _____ to each luminaire.

a. internal
b. external
c. both a or b
d. both a and b

7. 410.71 Disconnecting Means for Fluorescent or LED. Luminaires that Utilize Double-Ended Lamps. (1) General. For existing installed luminaires without disconnecting means, at the _____is added or replaced a disconnecting means shall be installed.

a. time a ballast
b. LED driver or LED driver
c. both a or b
d. neither a and b

8. 410.71 Disconnecting Means for Fluorescent or LED. Luminaires that Utilize Double-Ended Lamps. (1) General. The ____ side terminals of the disconnecting means shall be guarded.

a. line

b. load
c. both a and b
d. neither a and b

9. 410.71 Disconnecting Means for Fluorescent or LED. Luminaires that Utilize Double-Ended Lamps. (1) General. Exception No. 1: A disconnecting means shall not be required for luminaires installed in _____ (classified) location(s).
a. risky
b. hazardous
c. harmful
d. unsafe

10. 410.71 Disconnecting Means for Fluorescent or LED. Luminaires that Utilize Double-Ended Lamps. (1) General. Exception No. 2: A disconnecting means shall not be required for luminaires that provide _____ illumination required in 700.16.
a. backup
b. alternative
c. emergency
d. reserve

11. 410.71 Disconnecting Means for Fluorescent or LED, Luminaires that Utilize Double-Ended Lamps. (1) General. Exception No. 3: For cord-and-plug-connected luminaires, an accessible separable _____ shall be permitted to serve as the disconnecting means.
a. connector
b. an accessible plug and receptacle
c. both a or b
d. both a and b

12. 410.71 Disconnecting Means for Fluorescent or LED. Luminaires that Utilize Double-Ended Lamps. (1) General. Exception No. 4: Disconnecting means shall not be required for every luminaire in a building area if all of the following conditions apply:
a. More than one luminaire is installed in the building area and (2) The luminaires are not connected to a multiwire branch circuit
b. The design of the installation includes disconnecting means
c. The building area will not be left in total darkness should only one disconnect be opened
d. all of the above

13. 410.71 Disconnecting Means for Fluorescent or LED Luminaires that Utilize Double-Ended Lamps. (2) Multiwire Branch Circuits. When connected to multiwire branch circuits, the disconnecting means shall simultaneously break all the supply conductors to the ballast, _____ the grounded conductor.
a. excluding

b. including
c. counting
d. none of the above

14. 410.71 Disconnecting Means for Fluorescent or LED Luminaires that Utilize Double-Ended Lamps. (3) Location. The disconnecting means shall be located so as to be accessible to qualified persons before _____ the ballast. Where the disconnecting means is external to the luminaire, it shall be a single device, and it shall be attached to the luminaire or the luminaire shall be located within sight of the disconnecting means.

a. servicing
b. maintaining
c. both a or b
d. both a and b

15. Article 411 Low-Voltage Lighting 411.3 Voltage Limitations. The operating voltage of low-voltage lighting systems and their associated components shall not exceed _____.

a. 30 volts ac
b. 60 volts dc
c. both a or b
d. both a and b

16. Article 411 Low-Voltage Lighting 411.3 Voltage Limitations. If wet contact is likely to occur, the operating voltage of low-voltage lighting systems and their associated components shall not exceed _____.

a. 15 volts ac
b. 30 volts dc
c. both a or b
d. both a and b

17. Article 411 Low-Voltage Lighting 411.3 Voltage Limitations. Informational Note: See 680.1 for _____.

a. swimming pools
b. fountains
c. similar installations
d. all of the above

18. Article 422 Appliances 422.18 Ceiling-Suspended (Paddle) Fans. (B) Location. No metal parts of ceiling-suspended (paddle) fans in bathrooms and shower spaces shall be located within a zone measured 900 mm (3 ft) horizontally and 2.5 m (8 ft) _____ from the top of the bathtub rim or shower stall threshold.

a. vertically
b. horizontally
c. both a or b
d. both a and b

19. Article 422 Appliances 422.18 Ceiling-Suspended (Paddle) Fans. This zone is all-encompassing and shall include the space directly over the _____ stall.
a. tub
b. shower
c. sink
d. both a or b

20. Article 424 Fixed Electric Space-Heating Equipment 424.48 Installation of Cables in Walls. Unless prohibited by 424.38(B), heating cables and cable sets shall be permitted to be installed in, on, or behind walls provided all of the following are met:
a. Heating cables and cable sets shall be identified as suitable for installation in, on, or behind walls.
b. Heating cables and cable sets shall be GFCI protected.
c. Grounding means, such as copper braid, metal sheath, or other approved means, shall be provided.
d. all of the above

21. Article 424 Fixed Electric Space-Heating Equipment 424.48 Installation of Cables in Walls. Unless prohibited by 424.38(B), heating cables and cable sets shall be permitted to be installed in, on, or behind walls provided all of the following are met:
a. Heating cables and cable sets shall be AFCI protected.
b. Heating cables shall be permitted to be installed no more than 1.2 m (4 ft) above the floor.
c. Cable sets shall be permitted to be installed no more than 1.2 m (4 ft) above the floor.
d. all of the above

22. 430.6 Conductor Ampacity and Motor Rating Determination. (A) General Motor Applications. (1) Table Values. Other than for motors built for low speeds (less than 1200 RPM) or high torques, and for multispeed motors, the values given in Table 430.247, Table 430.248, Table 430.249, and Table 430.250 shall be used instead of the actual current rating marked on the motor nameplate to determine the following:
a. Ampacity of switched
b. Current ratings of conductors
c. Voltage ratings of branch-circuit short-circuit and ground-fault protection.
d. none of the above

23. 430.6 Conductor Ampacity and Motor Rating Determination. (A) General Motor Applications. (1) Table Values. Where a motor is marked in amperes, but not horsepower, the horsepower rating shall be assumed to be that corresponding to the value given in Table 430.247, Table 430.248, Table 430.249, and Table 430.250, interpolated ____.

a. is not allowed
b. is necessary
c. is not necessary
d. both a or c

24. 430.6 Conductor Ampacity and Motor Rating Determination. (A) General Motor Applications. (1) Table Values. Exception No. 2: For equipment that employs a shaded-pole or permanent-split capacitor-type fan or blower motor that is marked with the motor type, and the marking on the equipment nameplate is not less than the current marked on the fan or blower motor nameplate, the full-load current marked on the nameplate of the appliance shall be used to determine the ampacity of branch-circuit conductors, in addition to the current ratings of the following:

a. Dividing means
b. Motor regulators
c. Short-circuit and ground-fault protective devices
d. Multiple overload defending devices

25. 430.6 Conductor Ampacity and Motor Rating Determination. (A) General Motor Applications (2) Nameplate Values. The motor nameplate current ratings shall be used to determine the values for the following: (1) Separate motor overload protection (2) For motors built for low speeds (less than 1200 RPM), high torques, canned pumps, or multispeed motors, the following:

a. Ampacity of conductors
b. Current ratings of switches
c. Current ratings of branch-circuit short-circuit and ground-fault protection
d. all of the above

26. 430.6 Conductor Ampacity and Motor Rating Determination. (A) General Motor Applications (2) Nameplate Values. (3) Large motors exceeding the values in Part XIV shall use the _____ current rating for conductor sizing.

a. plaque
b. logo
c. nameplate
d. panel

27. Article 440 – Air-Conditioning and Refrigeration Equipment 440.11 General. Disconnecting means shall be capable of disconnecting air-conditioning and refrigerating equipment, including motor-compressors and controllers, from the

circuit conductors. If the disconnecting means is readily accessible to unqualified persons, any enclosure door or hinged cover of a disconnecting means enclosure that exposes energized parts when open shall require _____.

a. a tool to open
b. to be capable of being locked
c. both a or b
d. both a and b

28. Article 445 – Generators 445.18 Disconnecting Means. (A) Disconnecting Means. Generators other than cord-and-plug-connected portable generators shall have one or more disconnecting means. Each disconnecting means shall simultaneously open all associated ungrounded conductors. Each disconnecting means shall be lockable open in accordance with 110.25.
The disconnecting means shall be permitted to be located within the generator behind a_____.

a. a hinged cover
b. a door
c. an enclosure panel
d. all of the above

29. Article 445 – Generators 445.18 Disconnecting Means. (A) Disconnecting Means. Where the generator disconnecting means is located within the generator, a field applied _____ meeting the requirements of 110.21(B) shall be provided indicating the location of the generator disconnecting means.

a. tag
b. label
c. marker
d. all of the above

30. Article 445 – Generators 445.18 Disconnecting Means. (B) Generators Installed in Parallel. Where a generator is installed _____with other generators, the provisions of 445.18(A) shall be capable of isolating the generator output terminals from the paralleling system bus.

a. corresponding
b. in series
c. in parallel
d. both b and c

31. Article 445 – Generators 445.18 Disconnecting Means. (B) Generators Installed in Parallel. The disconnecting means shall ____ required to be located at the generator.

a. be
b. not be
c. both a or b

d. none of the above

32. Article 445 – Generators 445.19 Emergency Shutdown of Prime Mover. (B) Remote Emergency Shutdown. For other than one- and two-family dwelling units, generators with greater than ___ kW rating shall be provided with a remote emergency stop switch to shut down the prime mover.

a. 8
b. 10
c. 12
d. 15

33. Article 445 – Generators 445.19 Emergency Shutdown of Prime Mover. (B) Remote Emergency Shutdown. The remote emergency stop switch shall be located outside the _____at a readily accessible location and shall also meet the requirements of 445.19(A)(1) and (A)(2).

a. equipment room
b. generator enclosure
c. both a or b
d. both a and b

34. Article 445 – Generators 445.19 Emergency Shutdown of Prime Mover. (B) Remote Emergency Shutdown. The remote emergency stop switch shall be permitted to be mounted on the _____ of the generator enclosure.

a. exterior
b. interior
c. both a or b
d. both a and b

35. Article 445 – Generators 445.19 Emergency Shutdown of Prime Mover. (B) Remote Emergency Shutdown. The remote emergency stop switch shall be labeled Generator Emergency Shutdown, and the label shall meet the requirements of _____.

a. 110.21(A)
b. 110.21(B)
c. 110.21(C)
d. 110.21(D)

36. Article 445 – Generators 445.19 Emergency Shutdown of Prime Mover. (C) Emergency Shutdown in One- and Two-Family Dwelling Units. For other than cord-and-plug-connected portable generators, an emergency shutdown device shall be located _____ the dwelling unit at a readily accessible location and shall also meet the requirements of 445.19(A) (1) and (A)(2).

a. inside
b. on
c. outside
d. all of the above

37. Article 445 – Generators 445.19 Emergency Shutdown of Prime Mover. (C) Emergency Shutdown in One- and Two-Family Dwelling Units. An emergency shutdown device mounted on the _____of the generator enclosure shall be permitted to satisfy the requirements of this section.
    a. interior
    b. exterior
    c. both a or b
    d. both a and b
38. Article 445 – Generators 445.19 Emergency Shutdown of Prime Mover. (C) Emergency Shutdown in One- and Two-Family Dwelling Units. The shutdown device shall be _____ as the Generator Emergency Shutdown, and the label shall meet the requirements of 110.21(B).
    a. tagged
    b. labeled
    c. marked
    d. all of the above
39. Article 551 Recreational Vehicles and Recreational Vehicle Parks 551.71 Type Receptacles Provided. (B) 30-Ampere. A minimum of 70 percent of all recreational vehicle sites with electrical supply shall each be equipped with a 30-ampere, 125-volt _____ receptacle conforming to 551.46(C)(1).
    a. weather-resistant
    b. water-proof
    c. sunlight-resistant
    d. all of the above
40. Article 551 Recreational Vehicles and Recreational Vehicle Parks 551.71 Type Receptacles Provided. (C) 50-Ampere. A minimum of 20 percent of existing and 40 percent of all new recreational vehicle sites with electrical supply, shall each be equipped with a 50-ampere, 125/250-volt _____ receptacle conforming to the configuration as identified in Figure 551.46(C)(1).
    a. weather-resistant
    b. water-proof
    c. sunlight-resistant
    d. all of the above
41. Article 551 Recreational Vehicles and Recreational Vehicle Parks 551.71 Type Receptacles Provided. (F) GFCI Protection (2) Receptacles Installed in Recreational Vehicle Site Equipment. Ground-fault circuit-interrupter protection shall only be required for 125-volt, single-phase, ___-ampere receptacles.
    a. 15
    b. 20
    c. 30
    d. both a & b

42. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.4 Location of Service Equipment. The service equipment for a floating building, dock, or marina shall be located on land no closer than ___ horizontally from and adjacent to the structure served
    a. 1.5 m
    b. 5 ft
    c. both a or b
    d. none of the above
43. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.4 Location of Service Equipment. The service equipment for a floating building, dock, or marina shall not be ____ the structure itself or any other floating structure.
    a. on
    b. in
    c. both a or b
    d. none of the above
44. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.4 Location of Service Equipment. Service equipment shall be elevated a minimum of 300 mm (12 in.) above the electrical _____ plane.
    a. overflow
    b. flood
    c. datum
    d. all of the above
45. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.14 Equipotential Planes and Bonding of Equipotential Planes. An equipotential plane shall be installed where required in this section to _____ step and touch voltages at electrical equipment.
    a. lessen
    b. moderate
    c. mitigate
    d. ease
46. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.14 Equipotential Planes and Bonding of Equipotential Planes. The parts specified in this section shall be bonded _____.
    a. together
    b. to the electrical grounding system
    c. both a or b
    d. both a and b
47. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.14 Equipotential Planes and Bonding of

Equipotential Planes. The bonding conductor shall be solid copper conductors; insulated, covered, or bare; not smaller than ___ AWG.

a. 14
b. 12
c. 10
d. 8

48. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.14 Equipotential Planes and Bonding of Equipotential Planes. (A) Areas Requiring Equipotential Planes. Equipotential planes shall be installed adjacent to all outdoor service equipment or disconnecting means that control equipment in or on water where the following conditions exist:

a. Where the system voltage exceeds 250 volts to ground
b. Where the equipment is located within 3 m (10 ft) of the body of water
c. both a or b
d. none of the above

49. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.14 Equipotential Planes and Bonding of Equipotential Planes. (A) Areas Requiring Equipotential Planes. The equipotential plane shall include all metallic enclosures and controls that are_____.

a. likely to become energized
b. accessible to personnel
c. both a & b
d. none of the above

50. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.14 Equipotential Planes and Bonding of Equipotential Planes. (A) Areas Requiring Equipotential Planes. The equipotential plane shall encompass the area around the equipment and shall extend from the area directly below the equipment out not less than _____ in all directions from which a person would be able to stand and come in contact with the equipment.

a. 900 mm
b. 36 in.
c. both a or b
d. none of the above

51. Article 555 Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.14 Equipotential Planes and Bonding of Equipotential Planes. (B) Areas Not Requiring Equipotential Planes. Equipotential planes shall not be required for the controlled utilization equipment on the _____ supplied by the service equipment or disconnecting means.

a. docking facility
b. floating building
c. both a or b
d. none of the above

52. Article 555 Marinas Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.15 Replacement of Equipment. When modifications or replacements of electrical _____are necessary on a docking facility, they shall be required to comply with the requirements of this Code and the installation shall require an inspection of the circuit.

a. enclosures
b. devices
c. wiring methods
d. all of the above

53. Article 555 Marinas Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.15 Replacement of Equipment. Existing equipment that has been damaged shall be _____by a qualified person to the minimum requirements of the edition of this Code to which it was originally installed.

a. identified
b. documented
c. repaired
d. all of the above

54. Article 555 Marinas Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.15 Replacement of Equipment. Informational Note: NFPA 303-2021, Fire Protection Standard for Marinas and Boatyards, is a resource for guiding the _____ inspection of a marina.

a. building
b. construction
c. electrical
d. all of the above

55. Article 555 Marinas Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.36 Disconnecting Means for Shore Power Connection(s). (C) Emergency Electrical Disconnect. Each marina power outlet or enclosure that provides shore power to boats shall be provided with a _____ emergency shutoff device or electrical disconnect that is clearly marked “Emergency Shutoff” in accordance with 110.22(A).

a. identified
b. approved
c. listed
d. all of the above

56. Article 555 Marinas Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.36 Disconnecting Means for Shore Power Connection(s). (C) Emergency Electrical Disconnect. The _____shall be within sight of the marina power outlet or other enclosure that provides shore power to boats, readily accessible, externally operable, manually resettable.

a. emergency shutoff device
b. electrical disconnect
c. both a or b
d. both a and b

57. Article 555 Marinas Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.36 Disconnecting Means for Shore Power Connection(s). (C) Emergency Electrical Disconnect. The emergency shutoff device or electrical disconnect shall be listed for use in ____ locations.

a. damp
b. rain-proof
c. wet
d. all of the above

58. Article 555 Marinas Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.36 Disconnecting Means for Shore Power Connection(s). (C) Emergency Electrical Disconnect. The emergency shutoff device or electrical disconnect shall _____the power supply to all circuits supplied by the marina power outlet(s) or enclosure(s) that provide shore power to boats.

a. de-invigorate
b. de-energize
c. short out
d. all of the above

59. Article 555 Marinas Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities 555.36 Disconnecting Means for Shore Power Connection(s). (C) Emergency Electrical Disconnect.A circuit breaker handle ____ used for this purpose.

a. shall not be
b. shall be
c. could be
d. none of the above

60. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. Each outlet installed for the purpose of supplying EVSE greater than 16 amperes or 120 volts shall be supplied by an _____ branch circuit.

a. shared
b. individual
c. specific

d. distinct

61. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. Exception: Branch circuits shall be permitted to feed _____ EVSE's as permitted by 625.42(A) or (B).

a. only one
b. multiple
c. solitary
d. none of the above

62. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.42 Rating. The EVSE shall have sufficient rating to supply the load served. Electric vehicle charging loads shall be considered to be _____ loads for the purposes of this article.

a. half-time
b. continuous
c. semi-continuous
d. non-continuous

63. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.42 Rating. _____shall be sized in accordance with the product ratings, unless the overall rating of the installation can be limited through controls as permitted by 625.42 (A) or (B).

a. Service
b. Feeder
c. both a or b
d. both a and b

64. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.42 Rating (A) Energy Management System (EMS). Where an EMS in accordance with 750.30 provides load management of EVSE, the maximum equipment load on a service and feeder shall be the maximum load permitted by the _____.

a. NEC
b. EMS
c. conductor size
d. overcurrent device

65. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.42 Rating (A) Energy Management System (EMS). The EMS shall be permitted to be integral to one piece of equipment or integral to a listed system consisting of more than one piece of equipment. When one or more pieces of equipment are provided with an internal load management control, the system shall be _____ to indicate this control is provided.

a. listed
b. approved

c. marked
d. identified

66. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.42 Rating (B) EVSE with Adjustable Settings. EVSE with restricted access to an ampere adjusting means complying with 750.30(C) ____ be permitted.
a. shall
b. shall not
c. both a or b
d. none of the above

67. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.42 Rating (B) EVSE with Adjustable Settings. If adjustments have an impact on the rating label, those changes shall be in accordance with manufacturer's instructions, and the adjusted rating shall appear on the rating _____ with sufficient durability to withstand the environment involved.
a. ticket
b. tag
c. label
d. marker

68. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.42 Rating (B) EVSE with Adjustable Settings. EVSE as referenced shall be permitted to have ampere ratings that are _____ the adjusted current settings.
a. greater than
b. equal to
c. less than
d. none of the above

69. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.43 Disconnecting Means. For EVSE and WPTE rated more than 60 amperes or more than 150 volts to ground, the disconnecting means shall be provided and installed in a readily accessible location. If the disconnecting means is installed remote from the equipment, a _____shall be installed on the equipment denoting the location of the disconnecting means.
a. tablet
b. inscription
c. plaque
d. all of the above

70. Article 625 Electric Vehicle Power Transfer System 625.40 Electric Vehicle Branch Circuit. 625.43 Disconnecting Means. The disconnecting means shall be lockable _____ in accordance with 110.25.
a. closed

b. open
c. fastened
d. none of the above

71. Article 625 Electric Vehicle Power Transfer System 625.49 Island Mode. EVPE and bidirectional EVSE that incorporate a power export function shall be permitted to be part of an interconnected power system operating in ____mode.
a. isle
b. islet
c. island
d. none of the above

72. Article 630 Electric Welders 630.8 Ground-Fault Circuit-Interrupter Protection for Personnel. All 125-volt, _____-ampere receptacles for electrical hand tools or portable lighting equipment, supplied by single-phase branch circuits rated 150 volts or less to ground, installed in work areas where welders are operated shall have ground-fault circuit-interrupter protection for personnel.
a. 15
b. 20
c. 30
d. both a and b

73. Article 680 Swimming Pools, Fountains, and Similar Installations 680.5 Ground-Fault Circuit-Interrupter Protection (GFCI) and Special Purpose Ground-Fault Circuit- Interrupter (SPGFCI) Protection. (A) General. The _____ requirements in this article, unless otherwise noted, are in addition to the requirements in 210.8.
a. GFCI
b. SPGFCI
c. both a or b
d. both a and b

74. Article 680 Swimming Pools, Fountains, and Similar Installations 680.5 Ground-Fault Circuit-Interrupter Protection (GFCI) and Special Purpose Ground-Fault Circuit- Interrupter (SPGFCI) Protection. (B) 150 Volts or Less to Ground. Where required in this article, ground-fault protection of receptacles and outlets on branch circuits rated 150 volts or less to ground and 60 amperes or less, single- or 3-phase, shall be provided with a Class _____.
a. A GFCI
b. B GFCI
c. C GFCI
d. A AFCI

75. Article 680 Swimming Pools, Fountains, and Similar Installations 680.5 Ground-Fault Circuit-Interrupter Protection (GFCI) and Special Purpose Ground-Fault Circuit- Interrupter (SPGFCI) Protection. (B) 150 Volts or Less to

Ground. Exception: Receptacles and outlets that are part of _____equipment with ratings not exceeding the low-voltage contact limit that are supplied by listed transformers or power supplies that comply with 680.23(A)(2) shall not be required to be provided with ground-fault protection.

a. listed
b. approved
c. marked
d. identified

76. Article 680 Swimming Pools, Fountains, and Similar Installations 680.5 Ground-Fault Circuit-Interrupter Protection (GFCI) and Special Purpose Ground-Fault Circuit- Interrupter (SPGFCI) Protection. (B) 150 Volts or Less to Ground. Informational Note: The high leg of a 120/240-volt 4-wire delta-connected system, and the two ungrounded phases of a corner-grounded delta system have a voltage to ground greater than 150 volts, _____ the limit for a Class A GFCI.

a. not exceeding
b. exceeding
c. both a or b
d. none of the above

77. Article 680 Swimming Pools, Fountains, and Similar Installations 680.5 Ground-Fault Circuit-Interrupter Protection (GFCI) and Special Purpose Ground-Fault Circuit- Interrupter (SPGFCI) Protection. (C) Above 150 Volts to Ground. Where required in this article, ground-fault protection of receptacles and outlets on branch circuits operating at voltages above 150 volts to ground, not exceeding 480 volts phase-to-phase, single-or 3-phase, shall be provided with SPGFCI protection not to exceed ____-mA ground-fault trip current.

a. 10
b. 20
c. 15
d. 30

78. Article 680 Swimming Pools, Fountains, and Similar Installations 680.5 Ground-Fault Circuit-Interrupter Protection (GFCI) and Special Purpose Ground-Fault Circuit- Interrupter (SPGFCI) Protection. (C) Above 150 Volts to Ground. Informational Note: See UL 943C, Outline of Investigation for Special Purpose Ground-Fault Circuit Interrupters, for information on Classes ___ ground-fault circuit interrupters.

a. C
b. D
c. E
d. all of the above

79. Article 680 Swimming Pools, Fountains, and Similar Installations 680.10 Electric Pool Water Heaters Incorporating Resistive Heating Elements and Electrically Powered Swimming Pool Heat Pumps and Chillers. (B) Electrically Powered Swimming Pool Heat Pumps and Chillers. Electrically powered swimming pool heat pumps and chillers using the circulating water system and providing heating, cooling, or both, shall be _____for their intended use.

a. listed
b. rated
c. identified
d. both a and b

80. Article 680 Swimming Pools, Fountains, and Similar Installations 680.10 Electric Pool Water Heaters Incorporating Resistive Heating Elements and Electrically Powered Swimming Pool Heat Pumps and Chillers. (B) Electrically Powered Swimming Pool Heat Pumps and Chillers. The ampacity of the branch-circuit conductors and the rating or setting of overcurrent protective devices shall be sized to comply with the _____.

a. listing
b. rating
c. nameplate
d. all of the above

81. Article 680 Swimming Pools, Fountains, and Similar Installations 680.12 Equipment Rooms, Vaults, and Pits. (B) Receptacles. At least ____GFCI-protected 125-volt, 15- or 20-ampere receptacle supplied from a general purpose branch circuit shall be located within an equipment room.

a. 1
b. 2
c. 3
d. 4

82. Article 680 Swimming Pools, Fountains, and Similar Installations 680.12 Equipment Rooms, Vaults, and Pits. (B) Receptacles. All other receptacles supplied by branch circuits rated 150 volts or less to ground within an equipment room and any receptacles supplied by a branch circuit rated 150 volts or less to ground in a vault or pit shall be _____ protected.

a. GFCI
b. B GFCI
c. A GFCI
d. A AFCI

83. Article 680 Swimming Pools, Fountains, and Similar Installations 680.22 Lighting, Receptacles, and Equipment (A) Receptacles (4) Ground-Fault Circuit-Interrupter (GFCI) and Special Purpose Ground-Fault Circuit-Interrupter (SPGFCI) Protection. All receptacles rated 125 volts through 250 volts, 60

amperes or less, located within 6.0 m (20 ft.) of the inside walls of a pool shall have_____, as applicable.

a. GFCI protection complying with 680.5(B)
b. SPGFCI protection complying with 680,5(C)
c. both a or b
d. both a and b

84. Article 700 – Emergency Systems 700.3 Tests and Maintenance (A) Commissioning Witness Test. The authority having Jurisdiction shall _____the commissioning of the complete system upon installation and periodically afterward.

a. conduct
b. witness
c. both a or b
d. both a and b

85. Article 706 Energy Storage Systems 706.7 Commissioning and Maintenance (A) Commissioning. ESSs shall be commissioned upon installation. This _____ apply in one-and-two family dwellings

a. shall not
b. shall
c. could
d. none of the above

86. Article 700 – Emergency Systems 700.11 Wiring, Class-2-Powered Emergency Lighting Systems. (A) General. Line voltage supply wiring and installation of Class 2 emergency lighting control devices shall comply with 700.10. Class 2 emergency circuits shall comply with 700.11(B) through (D). (B) Identification. Emergency circuits shall be permanently marked so they will be readily identified as a component of an emergency circuit or system by the following methods:

a. All boxes and enclosures for Class 2 emergency circuits shall be permanently marked as a component of an emergency circuit or system.
b. Exposed cable, cable tray, or raceways systems shall be permanently marked to be identified as a component of an emergency circuit or system, within 900 mm (3 ft) of each connector and at intervals not to exceed 7.6 m (25 ft).
c. both a or b
d. none of the above

87. Article 700 – Emergency Systems 700.11 Wiring, Class-2-Powered Emergency Lighting Systems. (C) Separation of Circuits. Class 2 emergency circuits shall be wired in a _____.

a. listed wiring method
b. jacketed cable

c. with one of the wiring methods of Chapter 3
d. all of the above

88. Article 700 – Emergency Systems 700.11 Wiring, Class-2-Powered Emergency Lighting Systems. (C) Separation of Circuits. If installed alongside nonemergency Class ___ circuits that are bundled, Class 2 emergency circuits shall be bundled separately.

a. 1
b. 2
c. 3
d. 4

89. Article 700 – Emergency Systems 700.11 Wiring, Class-2-Powered Emergency Lighting Systems. (C) Separation of Circuits. If installed alongside nonemergency Class 2 circuits that are not bundled, Class 2 emergency circuits shall be separated by a _____from all other Class 2 circuits. Separation from other circuits shall comply with 725.136.

a. nonconductive sleeve
b. nonconductive barrier
c. both a or b
d. both a and b

90. Article 800 General Requirements for Communications Systems 800.3 Other Articles. (H) Bonding and Grounding of Cable Shields. The requirements of 250.4(A)(5) shall apply to the ___shields of cables used for communications.

a. insulated
b. non conductive
c. metal
d. none of the above

2023 NEC Changes Part 3-Quiz Answer Sheet

1	a b c d	31	a b c d	61	a b c d
2	a b c d	32	a b c d	62	a b c d
3	a b c d	33	a b c d	63	a b c d
4	a b c d	34	a b c d	64	a b c d
5	a b c d	35	a b c d	65	a b c d
6	a b c d	36	a b c d	66	a b c d
7	a b c d	37	a b c d	67	a b c d
8	a b c d	38	a b c d	68	a b c d
9	a b c d	39	a b c d	69	a b c d
10	a b c d	40	a b c d	70	a b c d
11	a b c d	41	a b c d	71	a b c d
12	a b c d	42	a b c d	72	a b c d
13	a b c d	43	a b c d	73	a b c d
14	a b c d	44	a b c d	74	a b c d
15	a b c d	45	a b c d	75	a b c d
16	a b c d	46	a b c d	76	a b c d
17	a b c d	47	a b c d	77	a b c d
18	a b c d	48	a b c d	78	a b c d
19	a b c d	49	a b c d	79	a b c d
20	a b c d	50	a b c d	80	a b c d
21	a b c d	51	a b c d	81	a b c d
22	a b c d	52	a b c d	82	a b c d
23	a b c d	53	a b c d	83	a b c d
24	a b c d	54	a b c d	84	a b c d
25	a b c d	55	a b c d	85	a b c d
26	a b c d	56	a b c d	86	a b c d
27	a b c d	57	a b c d	87	a b c d
28	a b c d	58	a b c d	88	a b c d
29	a b c d	59	a b c d	89	a b c d
30	a b c d	60	a b c d	90	a b c d

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