

**Instructions:**

**Fee \$25**

1. Print these pages.
2. Circle the correct answers and transfer them to the [answer sheet](#).
3. Page down to the last page for the [verification forms](#) and mailing instructions.
4. Use the 2014 & 2011 NEC as your reference materials & search for the grey code change areas.
5. All questions are listed in straight order (not random order) throughout the complete quiz.

**Course: 16981                      2014 NEC Changes PART 6**

**This course is valid for these credentials:**

<b>Credential Description</b>	<b>Cred Code</b>	<b>Credit Hours</b>
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

2014 NEC Changes Part 6

1. 590.4 General (J) Support. \_\_\_\_\_ shall be supported in place at intervals that ensure that they will be protected from physical damage.
  - a. Cable assemblies
  - b. Flexible cords
  - c. Cables
  - d. all of the above
2. 590.4 General (J) Support. Support shall be in the form of \_\_\_\_\_ installed so as not to cause damage.
  - a. staples
  - b. cable ties
  - c. straps
  - d. all of the above
3. 590.4 General (J) Support. Cable assemblies and flexible cords and cables installed as branch \_\_\_\_\_ shall not be installed on the floor or on the ground.
  - a. circuits
  - b. feeders
  - c. both a & b
  - d. none of the above
4. 590.4 General (J) Support. Vegetation shall not be used for support of \_\_\_\_ spans of branch circuits or feeders.
  - a. underground
  - b. overhead
  - c. surface
  - d. all of the above
5. 590.4 General (J) Support. Extension cords shall not be required to comply with \_\_\_\_\_.
  - a. 590.2(J)
  - b. 590.3(J)
  - c. 590.4(J)
  - d. 590.5(J)
6. 590.4 General (J) Support. Exception: Was \_\_\_\_\_.
  - a. changed
  - b. unchanged

- c. deleted
  - d. none of the above
7. Exception: For holiday lighting in accordance with \_\_\_\_\_, where the conductors or cables are arranged with strain relief devices, tension take-up devices, or other approved means to avoid damage from the movement of the live vegetation, trees shall be permitted to be used for support of overhead spans of branch-circuit conductors or cables.
- a. 590.2(J)
  - b. 590.3(B)
  - c. 590.4(J)
  - d. 590.5(J)
8. 600.4 Markings (E) Installation Instructions. All signs, outline lighting, skeleton tubing systems and retrofit kits shall be \_\_\_\_\_.
- a. approved
  - b. identified
  - c. marked
  - d. listed
9. 600.4 Markings (E) Installation Instructions. All signs, outline lighting, skeleton tubing systems and retrofit kits shall indicate that \_\_\_\_\_ are required.
- a. field wiring
  - b. installation instructions
  - c. both a & b
  - d. none of the above
10. 600.4 Markings(E) Installation Instructions. Exception: Portable, cord connected signs are not required to be \_\_\_\_\_.
- a. approved
  - b. identified
  - c. marked
  - d. listed
11. \_\_\_\_\_ to 600.4(E) changed the title of this subsection from "Section Signs" to "Installation Instructions." This subsection now requires all signs, outline lighting, skeleton tubing systems and retrofit kits to be marked to indicate that field-wiring and installation instructions are required (not just section signs). An exception was added to exclude portable, cord-connected signs from this requirement.
- a. New
  - b. Relocations
  - c. Revisions
  - d. all of the above
12. 600.6 Disconnects. Each sign and outline lighting system, feeder circuit or branch circuit supplying a sign, outline lighting system, or skeleton tubing shall be controlled by an \_\_\_\_\_ operable switch or circuit breaker.
- a. internally
  - b. externally
  - c. both a & b
  - d. none of the above
13. 600.6 Disconnects. The \_\_\_\_\_ must open all ungrounded conductors and controls no other load.
- a. switch
  - b. circuit breaker
  - c. cord and plug
  - d. both a & b
14. 600.6 Disconnects. The switch or circuit breaker shall open all ungrounded conductors \_\_\_\_\_ on multi-wire branch circuits in accordance with 2 10.4(B).
- a. independently
  - b. simultaneously
  - c. Isolated
  - d. none of the above
15. A \_\_\_\_\_ 600.6(A)(1) entitled, "At Point of Entry to a Sign Enclosure" has been added to this subsection.

- a. New
- b. Relocations
- c. Revisions
- d. all of the above

16. 600.6 Disconnects. (A) Location. (1) At Point of Entry to a Sign Enclosure. The disconnect shall be located at the point the feeder circuit or branch circuit(s) supplying a sign or outline lighting system enters a \_\_\_\_\_ in accordance with 600.5(C)(3).

- a. sign enclosure
- b. pole
- c. both a & b
- d. none of the above

17. 600.6 Disconnects. (A) Location. (1) At Point of Entry to a Sign Enclosure. The disconnect shall be located at the point the feeder circuit or branch circuit(s) supplying a sign or outline lighting system enters a sign enclosure or a pole and shall disconnect all \_\_\_\_\_ where it enters the enclosure of the sign or pole.

- a. grounded circuits
- b. wiring
- c. both a & b
- d. none of the above

18. 600.6 Disconnects. (A) Location. (1) Exception: A disconnect shall not be required for branch or feeder circuits passing through the sign where enclosed in a \_\_\_\_\_ listed raceway.

- a. Chapter 2
- b. Chapter 3
- c. Chapter 4
- d. none of the above

19. The existing provisions for the disconnecting means to be within sight of the sign and the controller have been pushed to \_\_\_\_\_ respectively.

- a. 600.6(A)(2)
- b. 600.6(A)(3)
- c. 600.6(A)(4)
- d. both a & b

20. 600.7 Grounding and Bonding (A) Grounding. (1) Equipment Grounding. Metal Equipment of signs, outline lighting, and skeleton tubing systems shall be \_\_\_\_\_.

- a. bonded
- b. connected
- c. grounded
- d. none of the above

600.7 Grounding and Bonding (A) Grounding. (1) Equipment Grounding. Metal Equipment of signs, outline lighting, and skeleton tubing systems shall be (use answer from above here) by connection to the equipment \_\_\_\_\_ conductor of the supply branch circuit(s) or feeder using the types of equipment grounding conductors specified in 250.118.

- a. bonding
- b. connecting
- c. grounding
- d. none of the above

21. 600.7 Grounding and Bonding (A) Grounding. (1) Equipment Grounding. Exception: Portable cord connected signs \_\_\_\_\_ required to be connected to the equipment grounding conductor where protected by a system of double insulation or its equivalent.

- a. shall not be
- b. shall be
- c. both a & b
- d. none of the above

22. 600.7 Grounding and Bonding (A) Grounding. (1) Equipment Grounding. Exception: Double insulated equipment shall be distinctively \_\_\_\_\_.

- a. approved
  - b. identified
  - c. marked
  - d. listed
23. \_\_\_\_\_ occurred at 600.7(A)(1) to include metal parts of skeleton tubing as well as metal parts of signs and outline lighting systems requiring grounding by connection to the equipment grounding conductor of the supply branch circuit(s) or feeder.
- a. New items
  - b. Relocations
  - c. Revisions
  - d. all of the above
24. 610.31 Runway Conductor Disconnecting Means. (Cranes and Hoists) 610.31 Runway Conductor Disconnecting Means. A disconnecting means that has a continuous ampere rating not less than that calculated in 610.14(E) and (F) shall be provided between the \_\_\_\_\_.
- a. runway contact conductor
  - b. the power supply
  - c. both a & b
  - d. none of the above
25. 610.31 Runway Conductor Disconnecting Means. (Cranes and Hoists) 610.31 Runway Conductor Disconnecting Means. The disconnecting means shall comply with \_\_\_\_\_.
- a. 430.107
  - b. 430.108
  - c. 430.109
  - d. 430.106
26. 610.31 Runway Conductor Disconnecting Means. (Cranes and Hoists) 610.31 Runway Conductor Disconnecting Means. This disconnecting means shall be as follows: (1) Readily accessible and operable from the \_\_\_\_\_ level
- a. ground
  - b. floor
  - c. both a & b
  - d. none of the above
27. 610.31 Runway Conductor Disconnecting Means. (Cranes and Hoists) 610.31 Runway Conductor Disconnecting Means. This disconnecting means shall be as follows: (2) Lockable in accordance with \_\_\_\_\_.
- a. 110.22
  - b. 110.23
  - c. 110.24
  - d. 110.25
28. 610.31 Runway Conductor Disconnecting Means. (Cranes and Hoists) 610.31 Runway Conductor Disconnecting Means. This disconnecting means shall be as follows: (3) Open all ungrounded conductors \_\_\_\_\_.
- a. independently
  - b. simultaneously
  - c. Isolated
  - d. none of the above
29. 610.31 Runway Conductor Disconnecting Means. (Cranes and Hoists) 610.31 Runway Conductor Disconnecting Means. This disconnecting means shall be as follows: (4) Placed within \_\_\_\_\_ of the runway contact conductors.
- a. reach
  - b. view
  - c. range
  - d. all of the above
30. 610.31 Runway Conductor Disconnecting Means. (Cranes and Hoists) 610.31 Runway Conductor Disconnecting Means. This disconnecting means shall be as follows: Exception: The runway conductor

disconnecting means or electrolytic cell lines shall be permitted to be placed out of view of the runway contact conductors where either of the following conditions are met:

- a. Where a location in view of the contact conductors is impracticable or introduces additional or increased hazards to persons or property
- b. In industrial installations, with written safety procedures, where conditions of maintenance and supervision ensure that only qualified persons service the equipment
- c. both a & b
- d. none of the above

31. 610.31 Runway Conductor Disconnecting Means. This section was \_\_\_\_\_ by removing the incomplete laundry list of types of disconnecting means permitted for cranes and hoists and replacing this previous list with a new reference to 430.109, Types of Disconnecting Means.

- a. created
- b. deleted
- c. revised
- d. none of the above

32. 610.31 Runway Conductor Disconnecting Means. A new \_\_\_\_\_ was added for the "within view of the runway contact conductors" provision to allow the disconnecting means to be placed out of view of the runway contact conductors under specific conditions.

- a. addition
- b. exclusion
- c. exception
- d. all of the above

33. 620.21 Wiring Methods (Elevators, Escalators, Etc.) Conductors and optical fibers located in hoistways, in escalator and moving walk wellways, in platform lifts, stairway chairlift runways, machinery spaces, control spaces, in or on cars, in machine rooms and control rooms, \_\_\_\_\_ the traveling cables connecting the car or counterweight and hoistway wiring.

- a. including
- b. not including
- c. may include
- d. all of the above

34. 620.21 Wiring Methods (Elevators, Escalators, Etc.) Conductors and optical fibers located in hoistways shall be installed in rigid metal conduit, intermediate metal conduit, electrical metallic tubing, rigid nonmetallic conduit, or wireways, or shall be Type MC, MI, or AC cable unless otherwise permitted in \_\_\_\_ (A) through (C).

- a. 620.21
- b. 620.22
- c. 620.23
- d. 620.24

35. 620.21 Wiring Methods (Elevators, Escalators, Etc.) Conductors and optical fibers located in hoistways  
Exception: Cords and cables of \_\_\_\_\_ cord- and plug connected equipment shall not be required to be installed in a raceway.

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

36. 620.21 Wiring Methods (Elevators, Escalators, Etc.) An exception was \_\_\_\_\_ to this existing raceway rule for cords and cables of listed cord- and plug-connected equipment.

- a. relocated
- b. deleted
- c. added
- d. none of the above

37. 620.51 Disconnecting Means. A single means for disconnecting all ungrounded main power supply conductors for each unit shall be provided and be designed so that no pole can be operated \_\_\_\_\_.

- a. independently
- b. simultaneously

- c. by isolation
  - d. none of the above
38. 620.51 Disconnecting Means. (C) Location. The disconnecting means shall be located where it is readily accessible to \_\_\_\_\_.
- a. working staff
  - b. qualified persons
  - c. both a & b
  - d. none of the above
39. 620.51 Disconnecting Means. (C) Location. (1) On Elevators without Generator Field Control. On elevators without generator field control, the disconnecting means shall be located within sight of the \_\_\_\_\_.
- a. motor controller
  - b. motor field controller
  - c. both a & b
  - d. none of the above
40. 620.51 Disconnecting Means. (C) Location. (1) On Elevators without Generator Field Control. Where the motor controller is located in the elevator hoistway, the disconnecting means required by 620.51 (A) shall be located in a machinery space, machine room, control space or control room outside the hoistway; and an additional, \_\_\_\_\_ externally operable motor circuit switch.
- a. fused
  - b. non-fused
  - c. both a & b
  - d. none of the above
41. 620.51 Disconnecting Means. (C) Location. (1) On Elevators without Generator Field Control. Continuing the above question. Externally operable motor circuit switch that is lockable in accordance with \_\_\_\_\_.
- a. 110.22
  - b. 110.23
  - c. 110.24
  - d. 110.25
42. 620.51 Disconnecting Means. (C) Location. (1) On Elevators without Generator Field Control. “*Capable of being locked in the open position*” to disconnect all ungrounded main power supply conductors shall be located within sight of the motor controller. The “*Capable of being locked in the open position*” was \_\_\_\_\_.
- a. created
  - b. deleted
  - c. revised
  - d. none of the above
43. 620.51 Disconnecting Means. (C) Location. (1) On Elevators without Generator Field Control. The additional switch shall be a listed device and shall comply with \_\_\_\_\_.
- a. 620.91(A)
  - b. 620.91(B)
  - c. 620.91(C)
  - d. 620.91(D)
44. 620.51 Disconnecting Means. In conjunction with the above provisions that were carried forward from the 2011 NEC, the enclosed externally operable motor-circuit switch for disconnection of all \_\_\_\_\_ main power-supply conductors is now permitted to be either a fused or non-fused motor-circuit switch.
- a. grounded
  - b. ungrounded
  - c. both a & b
  - d. none of the above
45. Article 625 was \_\_\_\_\_.
- a. renumbered
  - b. deleted
  - c. revised
  - d. none of the above
46. Article 625 was also reorganized into three parts; \_\_\_\_\_.

- a. Part I General
  - b. Part II. Equipment Construction
  - c. Part III. Installation.
  - d. all of the above
47. 630.13 Disconnecting Means 630.13 Disconnecting Means. An “*identified*” disconnecting means shall be provided in the supply circuit for each arc welder that is not equipped with a disconnect mounted as an integral part of the welder. “*identified*” was \_\_\_\_\_.
- a. created
  - b. deleted
  - c. revised
  - d. none of the above
48. 630.13 Disconnecting Means 630.13 Disconnecting Means. The disconnecting means \_\_\_\_\_ shall be marked in accordance with 110.22(A).
- a. identity
  - b. listing
  - c. identified
  - d. all of the above
49. 630.13 Disconnecting Means 630.13 Disconnecting Means. The disconnecting means shall be a \_\_\_\_\_.
- a. switch
  - b. circuit breaker
  - c. both a & b
  - d. none of the above
50. 630.13 Disconnecting Means 630.13 Disconnecting Means. The disconnecting means rating may be allowed to be less than that necessary to accommodate overcurrent protection as specified under 650.12.
- a. true
  - b. false
51. 630.13 Disconnecting Means 630.13 Disconnecting Means. A disconnecting means is still required in the supply circuit for each arc welder that is not equipped with a disconnect mounted as an integral part of the welder, but language was added to specify that this disconnecting means is required to be marked to “identify” what it supplies.
- a. true
  - b. false
52. 645.14 System Grounding. (Information Technology Equipment) 645.15 Equipment Grounding and Bonding. 645.14 System Grounding. \_\_\_\_\_ derived power systems shall be installed in accordance with Part I and II of Article 250.
- a. Independently
  - b. Separately
  - c. Isolated
  - d. all of the above
53. 645.14 System Grounding. (Information Technology Equipment) 645.15 Equipment Grounding and Bonding. 645.14 System Grounding. Power systems derived within listed information technology equipment that supply information technology systems through \_\_\_\_\_ supplied as part of this equipment.
- a. receptacles
  - b. cable assemblies
  - c. both a & b
  - d. none of the above
54. 645.14 System Grounding. (Information Technology Equipment) 645.15 Equipment Grounding and Bonding. 645.14 System Grounding. Continuing the above question. Supplied as part of this equipment \_\_\_\_\_ be considered separately derived for the purpose of applying 250.30.
- a. shall
  - b. shall not
  - c. could
  - d. should

55. 645.15 Equipment Grounding and Bonding. All exposed noncurrent-carrying metal parts of an information technology system shall be \_\_\_\_\_ to the equipment grounding conductor in accordance with Parts I, V, VI, VII, and VIII of Article 250.
- grounded
  - connection
  - bonded
  - all of the above
56. 645.15 Equipment Grounding and Bonding. All exposed noncurrent-carrying metal parts of an information technology system shall meet the question above requirement or shall be \_\_\_\_\_.
- single insulated
  - double insulated
  - triple insulated
  - none of the above
57. 645.15 Equipment Grounding and Bonding. Where signal reference structures are installed, they shall be \_\_\_\_\_ to the equipment grounding conductor provided for the information technology equipment.
- grounded
  - connection
  - bonded
  - all of the above
58. 645.15 Equipment Grounding and Bonding. Any auxiliary grounding electrode(s) installed for information technology equipment shall be installed in accordance with the provisions of \_\_\_\_\_.
- 250.52
  - 250.53
  - 250.54
  - 250.55
59. 645.15 Equipment Grounding and Bonding. Informational Note No. 1: The \_\_\_\_\_ requirements in the product standards governing this listed equipment ensure that it complies with Article 250.
- grounded
  - connection
  - bonded
  - all of the above
60. 645.15 Equipment Grounding and Bonding. Informational Note No. 2: Where \_\_\_\_\_ grounding type receptacles are used, see 250.146(D) and 406.3(D).
- independent
  - separate
  - isolated
  - all of the above
61. New 645.14 entitled, "System Grounding" was \_\_\_\_\_.
- deleted
  - added
  - revised
  - none of the above
62. 645.27 Selective Coordination. Critical operations data system(s) overcurrent devices shall be selectively coordinated with all \_\_\_\_\_ side overcurrent protective devices.
- line
  - supply
  - both a & b
  - none of the above
63. A new 645.27 was \_\_\_\_\_ that will now require all critical operations data system(s) overcurrent protective devices to be selectively coordinated with all supply-side overcurrent protective devices.
- deleted
  - added
  - revised
  - none of the above



64. A new Article 646 entitled, "Modular Data Centers" was \_\_\_\_\_ to the 2014 NEC.
- deleted
  - added
  - revised
  - none of the above
65. Article 646 Modular Data Centers sections include \_\_\_\_\_
- I. General & II. Equipment
  - III. Lighting.
  - IV. Work Space
  - all of the above
66. 680.2 Definitions: Storable Swimming, Wading, or Immersion Pools, or Storable/Portable Spas and Hot Tubs. Those that are constructed on or above the ground and are capable of holding water to a maximum depth of 1.0 m (42 in.), or a pool, "spa, or hot tub" with nonmetallic, molded polymeric walls or inflatable fabric walls regardless of dimension. The *spa or hot tub* was \_\_\_\_\_.
- deleted
  - added
  - relocated
  - none of the above
67. 680.2 Definitions: The definition remained the same with the inclusion of storable or portable spas and hot tubs in the definition.
- true
  - false
68. 680.12 Maintenance Disconnecting Means. The same 2011 NEC maintenance disconnecting means rules at 680.12 were extended to *fountains* as well as to *pools, spas, or hot tubs*.
- true
  - false
69. 680.12 Maintenance Disconnecting Means. \_\_\_\_\_ means to simultaneously disconnect all ungrounded conductors shall be provided for all utilization equipment other than lighting.
- Only one
  - One or more
  - both a & b
  - none of the above
70. 680.12 Maintenance Disconnecting Means. Each means shall be \_\_\_\_\_ from its equipment and shall be located at least 1.5 m (5 ft.) horizontally from the inside walls of a pool, spa, fountain, or hot tub.
- readily accessible
  - within sight
  - both a & b
  - none of the above
71. 680.12 Maintenance Disconnecting Means. Unless separated from the open water by a permanently installed barrier that provides a \_\_\_\_\_ reach path or greater.
- 1.5 m
  - 5 ft.
  - both a & b
  - none of the above
72. 680.12 Maintenance Disconnecting Means. This horizontal distance is to be measured from the water's edge along the \_\_\_\_\_ path required to reach the disconnect.
- shortest
  - straightest
  - both a & b
  - none of the above
73. 680.21 Motors (C) GFCI Protection. Outlets supplying pool pump motors connected to single-phase, 120 volt through 240 volt branch circuits, whether by \_\_\_\_\_, shall be provided with ground-fault circuit interrupter protection for personnel.
- receptacle

- b. direct connection
- c. both a & b
- d. none of the above

74. 680.21 Motors (C) GFCI Protection. Outlets supplying pool pump motors connected to single-phase, rated 15 or 20 amperes, whether by receptacle or by direct connection,, shall be provided with ground-fault circuit interrupter protection for personnel.

- a. true
- b. false

75. 680.21 Motors (C) GFCI Protection. These GFCI protection rules at 680.21 (Q still apply to permanently installed pool pump motors, but for the 2014 NEC, the applicable limitation of motors "rated 15 or 20 amperes" has been \_\_\_\_\_.

- a. deleted
- b. added
- c. relocated
- d. none of the above

76. 680.22 Lighting, Receptacles, and Equipment (A) Receptacles. (1) Required Receptacle, Location. Where a permanently installed pool is installed *at a dwelling unit(s)*, no fewer than one 125-volt, 15- or 20-ampere receptacle on a general-purpose branch circuit shall be located in accordance with this section.

- a. true
- b. false

77. 680.22 Lighting, Receptacles, and Equipment (A) Receptacles. Where a permanently installed pool is installed no fewer than one 125-volt, 15- or 20-ampere receptacle on a general-purpose branch circuit shall be located not less than 1.83 m (6 ft.) from the \_\_\_\_\_ wall of the pool.

- a. outside
- b. inside
- c. center of the
- d. none of the above

78. 680.22 Lighting, Receptacles, and Equipment (A) Receptacles. Where a permanently installed pool is installed no fewer than one 125-volt, 15- or 20-ampere receptacle on a general-purpose branch circuit shall be located not more than \_\_\_\_\_ from, the inside wall of the pool.

- a. 6.0 m
- b. 20 ft.
- c. both a & b
- d. none of the above

79. 680.22 Lighting, Receptacles, and Equipment (A) Receptacles. This receptacle shall be located not more than \_\_\_\_\_ above the floor, platform, or grade level serving the pool.

- a. 2.0 m
- b. 6 ½ ft.
- c. both a & b
- d. none of the above

80. 680.22 Lighting, Receptacles, and Equipment (A) Receptacles. This provision for a required 125-volt, 15- or 20-ampere receptacle on a general purpose branch circuit was moved to 680.22(A)(1). The requirement was expanded to all permanently installed pools, not just dwelling unit permanently installed pools. The title was \_\_\_\_\_ from, "Dwelling Unit(s)" to "Required Receptacle, Location.

- a. deleted
- b. revised
- c. relocated
- d. none of the above

81. 680.22 Lighting, Receptacles, and Equipment (A) Receptacles. (2) Circulation and Sanitation System, Location. Receptacles that provide power for water pump motors or for other loads directly related to the circulation and sanitation system shall be located at least 3.0 m (10 ft.) from the inside walls of the pool, or not less than 1.83 m (6 ft.) from the inside walls of the pool if they meet all of the following conditions:

- a. Consist of single receptacles

- b. Employ a locking configuration
- c. both a & b
- d. none of the above

82. 680.22 Lighting, Receptacles, and Equipment (A) Receptacles. (2) Circulation and Sanitation System, Location. Receptacles that provide power for water pump motors or for other loads directly related to the circulation and sanitation system shall be located at least 3.0 m (10 ft.) from the inside walls of the pool, or not less than 1.83 m (6 ft.) from the inside walls of the pool if they meet all of the following conditions:

- a. Are of the grounding type
- b. Have GFCI protection
- c. both a & b
- d. none of the above

83. The same provisions in the 201 I NEC at 680.22(A)(1) were brought forward to 680.22(A)£2), with the exception of the requirement for "employ a locking configuration" being \_\_\_\_\_.

- a. deleted
- b. revised
- c. moved
- d. none of the above

84. The requirements for receptacles that supply power for pool pump motors or other loads directly related to the circulation and sanitation system were \_\_\_\_\_ to 680.22(A)(2).

- a. deleted
- b. revised
- c. moved
- d. none of the above

85. 680.22 Lighting, Receptacles, and Equipment (B) Luminaires, Lighting Outlets, and Ceiling-Suspended (Paddle) Fans. (6) Low-Voltage Luminaires. Listed low-voltage luminaires not requiring grounding, not exceeding the low-voltage contact limit, and supplied by listed transformers or power supplies that comply with 680.23(A)(2) are permitted to be located less than \_\_\_\_\_ from the inside walls of the pool.

- a. 1.5 m
- b. 5 ft.
- c. both a & b
- d. none of the above

86. A new list item was \_\_\_\_\_ at 680.22(B)(6) to address low-voltage luminaires around permanently installed pools. Specific low-voltage luminaires will now be permitted to be located less than 1.5 m (5 ft.) from the inside walls of the pool under certain conditions.

- a. deleted
- b. revised
- c. moved
- d. added

87. The requirements for wiring methods for swimming pool panelboard feeders did not change at the main text of 680.25()A(1), but the exception for an existing feeder between an existing remote panelboard and service equipment was \_\_\_\_\_.

- a. deleted
- b. revised
- c. moved
- d. added

88. 680.25 Feeders. The Exception allowing an "existing" feeder between an "existing" remote swimming pool panelboard and service equipment to be run in flexible metal conduit or an approved cable assembly has been \_\_\_\_\_ to allow this exception for any feeder and remote swimming pool panelboard.

- a. deleted
- b. revised
- c. moved
- d. none of the above

89. 680.25 Feeders. The above Exception allows the "cable assembly is required to have an "insulated" EGC.

- a. true

b. false

90. 680.26 Equipotential Bonding. The same provisions that were found in the 2011 NEC are still in place, but are worded differently to avoid the terms \_\_\_\_\_.

- a. intentional bond
- b. bond
- c. both a & b
- d. none of the above

### 2014 NEC Changes Part 6-Quiz Answer Sheet

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

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