

Instructions:

Fees \$ 20.00

Print these pages.

1. Circle the correct answers and transfer them to the [answer sheet](#).
2. Page down to the last page for the [verification forms](#) and mailing instructions.
3. Use the information on page 9-10 as your reference materials.

Course: 2017 NEC 60 Changes Quiz

This course is valid for these credentials:

<u>Credential Description</u>	<u>Cred Code</u>	<u>Credit Hours</u>
Registered/Beginner Electrician	BE	2
Commercial Electrical Inspector	CEI	2
Industrial Journeyman Electrician	IJE	2
Journeyman Electrician	JE	2
Master Electrician	ME	2
Residential Journeyman Electrician	RJE	2
Residential Master Electrician	RME	2
UDC-Electrical Inspector	UEI	2

2017 NEC 60 Changes Quiz

1. Torque Tool Requirements on Installations defines code section:
 - a. 110.14(D)
 - b. 210.8(B)(9) & 210.8(B)(10)
 - c. 210.8(B)
 - d. 210.8(A)(7)
 - e. 210.8(E)
2. Three-Phase and 50A GFCI Protection defines code section:
 - a. 110.14(D)
 - b. 210.8(B)(9) & 210.8(B)(10)
 - c. 210.8(B)
 - d. 210.8(A)(7)
 - e. 210.8(E)
3. Measurement for GFCI's Around Sinks defines code section:
 - a. 110.14(D)
 - b. 210.8(B)(9) & 210.8(B)(10)
 - c. 210.8(B)
 - d. 210.8(A)(7)
 - e. 210.8(E)
4. GFCI Protection in Non-Dwelling Crawl Spaces & Unfinished Basements defines code section:
 - a. 110.14(D)
 - b. 210.8(B)(9) & 210.8(B)(10)
 - c. 210.8(B)
 - d. 210.8(A)(7)
 - e. 210.8(E)
5. GFCI Protection for Lighting in Crawl Spaces defines code section:
 - a. 110.14(D)
 - b. 210.8(B)(9) & 210.8(B)(10)

- c. 210.8(B)
 - d. 210.8(A)(7)
 - e. 210.8(E)
6. Garage Branch Circuit(s) defines code section:
- a. 210.64
 - b. 210.52(G) & 210.52(G)(1)
 - c. 210.52 (A)(2)(1)
 - d. 210.12(C) & 210.12(D)
 - e. 210.11 (C)(4)
7. AFCI Protection in Guest Rooms, Guest Suites and Dormitories defines code section:
- a. 210.64
 - b. 210.52(G) & 210.52(G)(1)
 - c. 210.52 (A)(2)(1)
 - d. 210.12(C) & 210.12(D)
 - e. 210.11 (C)(4)
8. Receptacle Wall Space Requirements —Fixed Cabinets w/o Countertop defines code section:
- a. 210.64
 - b. 210.52(G) & 210.52(G)(1)
 - c. 210.52 (A)(2)(1)
 - d. 210.12(C) & 210.12(D)
 - e. 210.11 (C)(4)
9. Receptacles for Basements, Garages and Accessory Buildings defines code section:
- a. 210.64
 - b. 210.52(G) & 210.52(G)(1)
 - c. 210.52 (A)(2)(1)
 - d. 210.12(C) & 210.12(D)
 - e. 210.11 (C)(4)
10. Receptacle at Electric Service Areas defines code section:
- a. 210.64
 - b. 210.52(G) & 210.52(G)(1)
 - c. 210.52 (A)(2)(1)
 - d. 210.12(C) & 210.12(D)
 - e. 210.11 (C)(4)
11. Continuity and Attachment of EGC to Boxes defines code section:
- a. 210.70 (A)(2)(4) and 210.70(C)
 - b. 210.71
 - c. 250.52(B)(3)
 - d. 250.94(A) and (B)
 - e. 250.148
12. Bonding of Communication Systems defines code section:
- a. 210.70 (A)(2)(4) and 210.70(C)
 - b. 210.71
 - c. 250.52(B)(3)
 - d. 250.94(A) and (B)
 - e. 250.148
13. Pool Structures Not Permitted for Grounding Electrodes defines code section:
- a. 210.70 (A)(2)(4) and 210.70(C)
 - b. 210.71
 - c. 250.52(B)(3)

- d. 250.94(A) and (B)
- e. 250.148
- 14. Receptacles in Meeting Rooms defines code section:
 - a. 210.70 (A)(2)(4) and 210.70(C)
 - b. 210.71
 - c. 250.52(B)(3)
 - d. 250.94(A) and (B)
 - e. 250.148
- 15. Lighting Outlet(s) Required defines code section:
 - a. 210.70 (A)(2)(4) and 210.70(C)
 - b. 210.71
 - c. 250.52(B)(3)
 - d. 250.94(A) and (B)
 - e. 250.148
- 16. Switch and Overcurrent Device Enclosures — Allowance for Power Monitoring Equipment defines code section:
 - a. 312.8(B)
 - b. 404.2(C)
 - c. 404.22
 - d. 406.3(E)
 - e. 406.3(F)
- 17. Switch Connections —Neutrals at Switch Locations defines code section:
 - a. 312.8(B)
 - b. 404.2(C)
 - c. 404.22
 - d. 406.3(E)
 - e. 406.3(F)
- 18. Construction Specifications of Electronic Lighting Controls defines code section:
 - a. 312.8(B)
 - b. 404.2(C)
 - c. 404.22
 - d. 406.3(E)
 - e. 406.3(F)
- 19. Controlled Receptacle Marking defines code section:
 - a. 312.8(B)
 - b. 404.2(C)
 - c. 404.22
 - d. 406.3(E)
 - e. 406.3(F)
- 20. Receptacle Rating and Type — USB Charger Receptacle defines code section:
 - a. 312.8(B)
 - b. 404.2(C)
 - c. 404.22
 - d. 406.3(E)
 - e. 406.3(F)
- 21. GFCI Protection for Appliances defines code section:
 - a. 422.5
 - b. 406.15
 - c. 406.12

- d. 406.9(B)(1)
 - e. 406.4(D)(4) Ex. 1 & 2
22. Article Deletion —Dimmer Controlled Receptacles defines code section:
- a. 422.5
 - b. 406.15
 - c. 406.12
 - d. 406.9(B)(1)
 - e. 406.4(D)(4) Ex. 1 & 2
23. Tamper-Resistant Receptacles —Additional Required Locations defines code section:
- a. 422.5
 - b. 406.15
 - c. 406.12
 - d. 406.9(B)(1)
 - e. 406.4(D)(4) Ex. 1 & 2
24. Extra Duty Outlet Box Hoods defines code section:
- a. 422.5
 - b. 406.15
 - c. 406.12
 - d. 406.9(B)(1)
 - e. 406.4(D)(4) Ex. 1 & 2
25. AFCI Replacement Receptacles defines code section:
- a. 422.5
 - b. 406.15
 - c. 406.12
 - d. 406.9(B)(1)
 - e. 406.4(D)(4) Ex. 1 & 2
26. Built-In Dishwashers — Cords and Receptacle Requirements defines code section:
- a. 517.16
 - b. 445.20
 - c. 445.18
 - d. 424.45
 - e. 422.16(B)(2)
27. Heating Cables Under Floor Coverings defines code section:
- a. 517.16
 - b. 445.20
 - c. 445.18
 - d. 424.45
 - e. 422.16(B)(2)
28. Disconnecting Means & Shutdown of Prime Mover — Generator defines code section:
- a. 517.16
 - b. 445.20
 - c. 445.18
 - d. 424.45
 - e. 422.16(B)(2)
29. GFCI Protection for Receptacles on 15-KW or Smaller Generators defines code section:
- a. 517.16
 - b. 445.20
 - c. 445.18
 - d. 424.45

- e. 422.16(B)(2)
- 30. Use of Isolated Ground Receptacles —Health Care Facilities defines code section:
 - a. 517.16
 - b. 445.20
 - c. 445.18
 - d. 424.45
 - e. 422.16(B)(2)
- 31. Sources of Power —Health Care Facilities defines code section:
 - a. 551.71
 - b. 550.25(B)
 - c. 550.13(B)
 - d. 525.23(D)
 - e. 517.30
- 32. GFCI Protection at Carnivals, Circuses, Fairs, and Similar Events defines code section:
 - a. 551.71
 - b. 550.25(B)
 - c. 550.13(B)
 - d. 525.23(D)
 - e. 517.30
- 33. GFCI Protection Required for Mobile and Manufactured Homes defines code section:
 - a. 551.71
 - b. 550.25(B)
 - c. 550.13(B)
 - d. 525.23(D)
 - e. 517.30
- 34. AFCI Protection at Mobile and Manufactured Homes defines code section:
 - a. 551.71
 - b. 550.25(B)
 - c. 550.13(B)
 - d. 525.23(D)
 - e. 517.30
- 35. Receptacles at RV Parks defines code section:
 - a. 551.71
 - b. 550.25(B)
 - c. 550.13(B)
 - d. 525.23(D)
 - e. 517.30
- 36. GFCI Protection for Docking Facilities defines code section:
 - a. 555.3
 - b. 555.19(B)(1)
 - c. 555.24
 - d. 600.4(B)
 - e. 600.6(A)(1) Ex. 2
- 37. GFCI Protection for Personnel in Boatyards defines code section:
 - a. 555.3
 - b. 555.19(B)(1)
 - c. 555.24
 - d. 600.4(B)
 - e. 600.6(A)(1) Ex. 2

38. Signage at Marinas, Boatyards, etc. defines code section:
- a. 555.3
 - b. 555.19(B)(1)
 - c. 555.24
 - d. 600.4(B)
 - e. 600.6(A)(1) Ex. 2
39. Signs with a Retrofit Illumination System defines code section:
- a. 555.3
 - b. 555.19(B)(1)
 - c. 555.24
 - d. 600.4(B)
 - e. 600.6(A)(1) Ex. 2
40. Disconnects — Electric Signs and Outline Lighting defines code section:
- a. 555.3
 - b. 555.19(B)(1)
 - c. 555.24
 - d. 600.4(B)
 - e. 600.6(A)(1) Ex. 2
41. Swimming Pool Lifts defines code section:
- a. 600.34, 600.2
 - b. 620.51(E)
 - c. 645.18
 - d. 670.6
 - e. 680.2 & Part VIII of 680
42. Surge Protection for Industrial Machinery defines code section:
- a. 600.34, 600.2
 - b. 620.51(E)
 - c. 645.18
 - d. 670.6
 - e. 680.2 & Part VIII of 680
43. Surge Protection for Critical Operations Data Systems defines code section:
- a. 600.34, 600.2
 - b. 620.51(E)
 - c. 645.18
 - d. 670.6
 - e. 680.2 & Part VIII of 680
44. Surge Protection — Emergency System Elevators, Escalators, etc. defines code section:
- a. 600.34, 600.2
 - b. 620.51(E)
 - c. 645.18
 - d. 670.6
 - e. 680.2 & Part VIII of 680
45. Photovoltaic (PV) Powered Signs defines code section:
- a. 600.34, 600.2
 - b. 620.51(E)
 - c. 645.18
 - d. 670.6
 - e. 680.2 & Part VIII of 680
46. Protection Against Corrosive Environments in Wet Locations defines code section:

- a. 695.15
- b. 682.15
- c. 680.28
- d. 680.22(A)(2)
- e. 680.12 and 680.14

47. Pool Pump Motor Receptacles defines code section:

- a. 695.15
- b. 682.15
- c. 680.28
- d. 680.22(A)(2)
- e. 680.12 and 680.14

48. Swimming Pools Gas-Fired Water Heater defines code section:

- a. 695.15
- b. 682.15
- c. 680.28
- d. 680.22(A)(2)
- e. 680.12 and 680.14

49. GFCI Protection in Bodies of Water defines code section:

- a. 695.15
- b. 682.15
- c. 680.28
- d. 680.22(A)(2)
- e. 680.12 and 680.14

50. Surge Protection — Fire Pumps defines code section:

- a. 695.15
- b. 682.15
- c. 680.28
- d. 680.22(A)(2)
- e. 680.12 and 680.14

51. Energy Storage Systems defines code section:

- a. 700.2 and 700.25
- b. 700.10(A)
- c. 702.12(C)
- d. 705 Part IV
- e. 706

53. Microgrid Systems defines code section:

- a. 700.2 and 700.25
- b. 700.10(A)
- c. 702.12(C)
- d. 705 Part IV
- e. 706

53. Power Inlets Used with Optional Standby Generators defines code section:

- a. 700.2 and 700.25
- b. 700.10(A)
- c. 702.12(C)
- d. 705 Part IV
- e. 706

54. Marking of Boxes, Enclosures, Receptacles For Emergency Circuits or Systems defines code section:

- a. 700.2 and 700.25
- b. 700.10(A)
- c. 702.12(C)
- d. 705 Part IV
- e. 706

55. Branch Circuit Emergency Lighting Transfer Switch defines code section:

- a. 700.2 and 700.25
- b. 700.10(A)
- c. 702.12(C)
- d. 705 Part IV
- e. 706

56. Powering Circuits defines code section:

- a. 840.160
- b. 725.144
- c. 712
- d. 710
- e. 708.10(A)(2)

57. Transmission of Power & Data Over Data Cables defines code section:

- a. 840.160
- b. 725.144
- c. 712
- d. 710
- e. 708.10(A)(2)

58. Direct Current Microgrids defines code section:

- a. 840.160
- b. 725.144
- c. 712
- d. 710
- e. 708.10(A)(2)

59. Stand Alone Systems defines code section:

- a. 840.160
- b. 725.144
- c. 712
- d. 710
- e. 708.10(A)(2)

60. Illuminated Face or Indicator Lights on COPS Receptacles defines code section:

- a. 840.160
- b. 725.144
- c. 712
- d. 710
- e. 708.10(A)(2)

Code Article	Subject Description
100	Definition of Readily Accessible
110.14 (D)	Torque Tool Requirements on Installations
210.8 (A)(7)	Measurement for GFCI's Around Sinks
210.8 (B)	Three-Phase and 50A GFCI Protection
210.8 (B)(9) & 210.8 (B)(10)	GFCI Protection in Non-Dwelling Crawl Spaces & Unfinished Basements
210.8 (E)	GFCI Protection for Lighting in Crawl Spaces
210.11 (C)(4)	Garage Branch Circuit(s)
210.12 (C) & 210.12 (D)	AFCI Protection in Guest Rooms, Guest Suites and Dormitories
210.52 (A)(2)(1)	Receptacle Wall Space Requirements — <i>Fixed Cabinets w/o Countertop</i>
210.52 (G) & 210.52 (G)(1)	Receptacles for Basements, Garages and Accessory Buildings
210.64	Receptacle at Electric Service Areas
210.70 (A) (2)(4) and 210.70(C)	Lighting Outlet(s) Required
210.71	Receptacles in Meeting Rooms
250.52 (B)(3)	Pool Structures Not Permitted for Grounding Electrodes
250.94 (A) and (B)	Bonding of Communication Systems

Code (Article)	Subject Description
250.148	Continuity and Attachment of EGC to Boxes
312.8 (B)	Switch and Overcurrent Device Enclosures — Allowance for Power Monitoring Equipment
404.2 (C)	Switch Connections — <i>Neutrals at Switch Locations</i>
404.22	Construction Specifications of Electronic Lighting Controls
406.3 (E)	Controlled Receptacle Marking
406.3 (F)	Receptacle Rating and Type — <i>USB Charger Receptacle</i>
406.4 (D)(4) Ex. 1 & 2	AFCI Replacement Receptacles
406.9 (B)(1)	Extra Duty Outlet Box Hoods
406.12	Tamper-Resistant Receptacles — <i>Additional Required Locations</i>
406.15	Article Deletion — <i>Dimmer Controlled Receptacles</i>
422.5	GFCI Protection for Appliances
422.16 (B)(2)	Built-In Dishwashers — <i>Cords and Receptacle Requirements</i>
424.45	Heating Cables Under Floor Coverings
445.18	Disconnecting Means & Shutdown of Prime Mover — <i>Generator</i>
445.20	GFCI Protection for Receptacles on 15-KW or Smaller Generators
517.16	Use of Isolated Ground Receptacles — <i>Health Care Facilities</i>
517.30	Sources of Power — <i>Health Care Facilities</i>

Code (Article)	Subject Description
525.23 (D)	GFCI Protection at Carnivals, Circuses, Fairs, and Similar Events
550.13 (B)	GFCI Protection Required for Mobile and Manufactured Homes
550.25 (B)	AFCI Protection at Mobile and Manufactured Homes
551.71	Receptacles at RV Parks
555.3	GFCI Protection for Docking Facilities
555.19 (B)(1)	GFCI Protection for Personnel in Boatyards
555.24	Signage at Marinas, Boatyards, etc.
600.4 (B)	Signs with a Retrofit Illumination System
600.6 (A)(1) Ex. 2	Disconnects — <i>Electric Signs and Outline Lighting</i>
600.34, 600.2	Photovoltaic (PV) Powered Signs
620.51 (E)	Surge Protection — <i>Emergency System Elevators, Escalators, etc.</i>
645.18	Surge Protection for Critical Operations Data Systems
670.6	Surge Protection for Industrial Machinery
680.2 & Part VIII of 680 (680.80, 680.81, 680.82, 680.83, 680.84, 680.85)	Swimming Pool Lifts

Code (Article)	Subject Description
680.12 and 680.14	Protection Against Corrosive Environments in Wet Locations
680.22 (A)(2)	Pool Pump Motor Receptacles
680.28	Swimming Pools Gas-Fired Water Heater
682.15	GFCI Protection in Bodies of Water
695.15	Surge Protection — <i>Fire Pumps</i>
700.2 and 700.25	Branch Circuit Emergency Lighting Transfer Switch
700.10 (A)	Marking of Boxes, Enclosures, Receptacles For Emergency Circuits or Systems
702.12 (C)	Power Inlets Used with Optional Standby Generators
705 Part IV	Microgrid Systems
706	Energy Storage Systems
708.10(A)(2)	Illuminated Face or Indicator Lights on COPS Receptacles
710	Stand Alone Systems
712	Direct Current Microgrids
725.144	Transmission of Power & Data Over Data Cables
840.160	Powering Circuits

2017 NEC Articles Quiz Answer Sheet

1	a b c d e	21	a b c d e	41	a b c d e
2	a b c d e	22	a b c d e	42	a b c d e
3	a b c d e	23	a b c d e	43	a b c d e
4	a b c d e	24	a b c d e	44	a b c d e
5	a b c d e	25	a b c d e	45	a b c d e
6	a b c d e	26	a b c d e	46	a b c d e
7	a b c d e	27	a b c d e	47	a b c d e
8	a b c d e	28	a b c d e	48	a b c d e
9	a b c d e	29	a b c d e	49	a b c d e
10	a b c d e	30	a b c d e	50	a b c d e
11	a b c d e	31	a b c d e	51	a b c d e
12	a b c d e	32	a b c d e	52	a b c d e
13	a b c d e	33	a b c d e	53	a b c d e
14	a b c d e	34	a b c d e	54	a b c d e
15	a b c d e	35	a b c d e	55	a b c d e
16	a b c d e	36	a b c d e	56	a b c d e
17	a b c d e	37	a b c d e	57	a b c d e
18	a b c d e	38	a b c d e	58	a b c d e
19	a b c d e	39	a b c d e	59	a b c d e
20	a b c d e	40	a b c d e	60	a b c d e

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