

Instructions:

Fee \$50

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 [SPS 316 amendments \(click here\)](#) and the 2023 NEC as your reference guide.
5. 120 questions are listed in a straight order format throughout the complete quiz.

Course: 2023 SPS 316 Quiz

This course is valid for these credentials:

Credential Description	Cred Code	Credit Hours
Registered/Beginner Electrician	BE	4.0
Commercial Electrical Inspector	CEI	4.0
Industrial Journeyman Electrician	IJE	4.0
Journeyman Electrician	JE	4.0
Master Electrician	ME	4.0
Residential Journeyman Electrician	RJE	4.0
Residential Master Electrician	RME	4.0
UDC-Electrical Inspector	UEI	4.0

2023 SPS 316 Quiz

1. The purpose of this chapter is the practical safeguarding of _____ from hazards arising from the installation and use of electricity.
 - a. persons
 - b. property
 - c. material goods
 - d. both a & b
2. _____ often occurs because of overloading of wiring systems by methods or usage not in conformity with this chapter. This occurs because initial wiring did not provide for increases in the use of electricity. An adequate initial installation and reasonable provisions for system changes will provide for future increases in the use of electricity.
 - a. Vulnerabilities
 - b. Weaknesses
 - c. Hazards
 - d. all of the above
3. This chapter _____ as a design specification or as an instruction manual for untrained persons.
 - a. is intended
 - b. is not intended
 - c. could be used
 - d. none of the above
4. This chapter does not cover any of the following electrical wiring installations:
 - a. Installations of communication equipment under exclusive control of communication utilities, located outdoors or in building spaces used exclusively for such installations.
 - b. Installations in manufactured homes along with all electrical wiring alterations in existing manufactured homes.
 - c. both a & b
 - d. none of the above
5. This chapter does not cover any of the following electrical wiring installations:
 - a. Installations in ships, watercraft other than floating buildings, railway rolling stock, aircraft, or automotive vehicles other than mobile homes and recreational vehicles.

- b. Installations for generation, transformation, or distribution of power used exclusively by railways for signaling and communication purposes. other than conductors and equipment connecting the serving utility to the wiring system of the premises served.
 - c. both a & b
 - d. none of the above
6. This chapter does not cover any of the following electrical wiring installations: (e) Installations under the exclusive control of an electric utility, or an electric cooperative where such installations meet any of the following situations:
- a. Consist of service drops or service laterals, and associated metering.
 - b. Are located in legally established easements or right-of-ways designated by public service commissions, utility commissions, or other regulatory agencies having jurisdiction for such installations.
 - c. Are on property owned or leased by the electric utility for the purpose of communications, metering, generation, control, transformation, transmission, storage, or distribution of electric energy.
 - d. all of the above
7. This chapter does not cover any of the following electrical wiring installations: Installations for the purpose of street or area lighting owned and under exclusive control of electrical utilities or municipalities where located outdoors on property owned or leased by the utility; on or along public highways, streets, roads or similar public thoroughfares; or outdoors on private property by established rights such as easements shall comply with this chapter or ch. PSC____.
- a. 112
 - b. 113
 - c. 114
 - d. 115
8. TYPES OF INSTALLATIONS. The provisions of this chapter apply to all _____.
- a. new installations
 - b. reconstructions
 - c. alterations and extensions
 - d. all of the above
9. Rooms which are used exclusively for _____ electrical test work and are under the supervision of a qualified person, shall comply with this chapter where practicable for the character of the testing done.
- a. routine
 - b. special
 - c. both a or b
 - d. none of the above
10. Existing electrical installations shall conform to the electrical code _____ the installations were installed.
- a. that applied when
 - b. that is more restrictive to
 - c. that is current to
 - d. none of the above
11. When a hazard to life, health, or property exists or is created by an existing installation the authority having jurisdiction _____, in the authority's sole discretion, require that the installation be brought into compliance with the current code's requirements within a time period determined by the authority.
- a. shall
 - b. should
 - c. may
 - d. none of the above
12. A repair _____ be required to be brought into compliance with the current code's requirements by the department and within the time period determined by the department when a hazard to life, health or property exists or is created by the repair.
- a. shall
 - b. should
 - c. may
 - d. none of the above

13. Where any department rule in this chapter differs from a requirement within a standard referenced in this chapter, the _____ rule shall govern.
- less restrictive
 - more restrictive
 - department
 - none of the above
14. Where a provision of this chapter prescribes a general requirement and another provision of this chapter prescribes a specific or more detailed requirement regarding the same subject, the _____ requirement shall govern. except as provided in par. (a) Where any department rule in this chapter differs from a requirement within a standard referenced in this chapter, the department rule shall govern.
- specific
 - more detailed
 - both a or b
 - none of the above
15. Where different sections of this chapter specify conflicting requirements, the _____ requirement, as determined by the department, shall govern, except as provided in pars. (a) and (b).
- less restrictive
 - most restrictive
 - department
 - none of the above
16. Additions and alterations to electrical systems covered by this code shall comply with all provisions of this code at the time _____.
- of permit application
 - if no permit is required, the beginning of the project
 - both a & b
 - none of the above
17. The department reserves the right to interpret the requirements in this chapter and in all adopted codes and standards. Any interpretation under this subsection shall supersede any differing interpretation by _____.
- a lower level jurisdiction
 - an issuer of the adopted code
 - a standard
 - all of the above
18. Petition for variance. The department shall consider and may grant a variance to a provision of this chapter in accordance with ch. SPS _____.
- 301
 - 302
 - 303
 - 304
19. “_____” means an organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, an installation, or a procedure.
- Authority having jurisdiction
 - Independent Inspectors
 - Home Inspectors
 - all of the above
20. “_____” means a parcel or tract of land that requires a license to operate under s. ATCP 79.05 (1).
- Travel Trailer
 - Campground
 - Motorhome
 - none of the above
21. “_____” means the department of safety and professional services.
- Department
 - Farm
 - Farming
 - Multifamily

22. “_____” means a place where farming is conducted.
- Department
 - Farm
 - Farming
 - Multifamily
23. “_____” means the operation of farm premises owned or rented by the operator.
- Department
 - Farm
 - Farming
 - Multifamily
24. “_____” means an apartment building, rowhouse, town house, condominium or manufactured building.
- Department
 - Farm
 - Farming
 - Multifamily dwelling
25. “_____” means a city, village, town or county in this state.
- Municipality
 - One- and 2- family dwelling
 - Place of employment
 - Public building
26. “_____” means any building that contains one or 2 dwelling units that construction of which commenced on or after December 1, 1978.
- Municipality
 - One- and 2- family dwelling
 - Place of employment
 - Public building
27. “_____” includes every place, whether indoors or out or underground and the premises appurtenant thereto where either temporarily or permanently any industry, trade or business is carried on, or where any process or operation, directly or indirectly related to any industry, trade or business, is carried on, and where any person is, directly or indirectly, employed by another for direct or indirect gain or profit
- Municipality
 - One- and 2- family dwelling
 - Place of employment
 - Public building
28. “_____” means any structure, including exterior parts of such building, such as a porch, exterior platform or steps providing means of ingress or egress, used in whole or in part as a place of resort, assemblage, lodging, trade, traffic, occupancy or use by the public or by 3 or more tenants.
- Municipality
 - One- and 2- family dwelling
 - Place of employment
 - Public building
29. An authority having jurisdiction may be a municipality operating under s.SPS 316.011 (1) or the department operating under s. SPS _____.
- 316.011 (1)
 - 316.011 (2)
 - 316.011 (3)
 - 316.011 (4)
30. Adoption of standards by reference includes:
- primary standards
 - secondary references
 - alternate standards
 - all of the above
31. 316.004 provides that “Under s. 101.02 (1), Stats., the department reserves the right to _____ the requirements in this chapter and in all adopted codes and standards.

- a. construe
 - b. understand
 - c. interpret
 - d. recognize
32. Any interpretation under this section shall supersede any differing interpretation by _____.
a. a lower-level jurisdiction
b. an issuer of the adopted code or standard
c. both a or b
d. none of the above
33. The following standard is incorporated by reference into this chapter, subject to the modifications specified in this chapter:
a. NFPA
b. NEC
c. National Electrical Code
d. all of the above
34. ALTERNATE STANDARDS. Any alternate standard that is _____ than a standard incorporated by reference or otherwise referenced under this chapter may be used in lieu of the incorporated or referenced standard if the alternate standard is accepted in writing by the department.
a. equivalent to
b. more stringent
c. both a or b
d. both a & b
35. The creation of SPS _____ occurs on the first day of the 19th month beginning after the rules are published.
a. 316.011 (2)
b. 316.012
c. 316.013
d. all of the above
36. 316.011 Jurisdiction conditions. Pursuant to s. 101.86 (1), Stats., municipalities _____ exercise jurisdiction over the inspection of electrical wiring installations at farms, public buildings, places of employment, campgrounds, manufactured home communities, public marinas, piers, docks, or wharves and recreational vehicle parks.
a. shall
b. must
c. may
d. all of the above
37. Municipalities that exercise jurisdiction over the inspection of electrical wiring installations at farms, public buildings, places of employment, campgrounds, manufactured home communities, public marinas, piers, docks, or wharves and recreational vehicle parks provided the municipality complies with all of the following:
a. The municipality holds a registration issued by the department as an inspection agency for the purpose of issuing permits and inspecting electrical wiring at farms, public buildings, places of employment, campgrounds, manufactured home communities, public marinas, piers, docks, or wharves and recreational vehicle parks.
b. The municipality notifies the department at least 60 days prior to the date upon which the municipality intends to assume the jurisdiction.
c. The municipality provides the department with a copy of its electrical ordinances and subsequent revisions to the ordinances.
d. all of the above
38. Municipalities that exercise jurisdiction over the inspection of electrical wiring installations at farms, public buildings, places of employment, campgrounds, manufactured home communities, public marinas, piers, docks, or wharves and recreational vehicle parks provided the municipality complies with all of the following:
a. The municipality's ordinances adopt this chapter in its entirety.
b. The municipality employs or contracts with certified commercial electrical inspectors or independent inspection agencies to perform electrical inspection activities.

- c. The municipality provides the department with the names of its certified commercial electrical inspectors and independent inspection agencies employed or contracted by the municipality, if applicable.
 - d. all of the above
39. Note: Section 13.48 (13), Stats., exempts _____ buildings from local ordinances or regulations relating to building construction, permits and similar restrictions.
- a. local
 - b. state
 - c. federal
 - d. tax exempt
40. County. Ordinances enacted by a county under this subsection establishing electrical inspection functions may not _____ a municipality within that county from assuming those functions at any time.
- a. prevent
 - b. prohibit
 - c. both a or b
 - d. none of the above
41. Note: Pursuant to s. 101.86 (1) (a), Stats., a county ordinance shall apply in any city, village or town which has not enacted such an _____.
- a. code change
 - b. ordinance
 - c. policy
 - d. statute
42. Relinquishing of jurisdiction. A municipality shall notify the department, in writing, at least ____ days prior to the date upon which the municipality intends to relinquish jurisdiction responsibilities.
- a. 30
 - b. 60
 - c. 90
 - d. 120
43. In municipalities not exercising jurisdiction under sub. (1), the department shall provide permit and inspection services for the installation of electrical wiring _____.
- a. on farms
 - b. in public buildings
 - c. in places of employment
 - d. all of the above
44. In municipalities not exercising jurisdiction under sub. (1), the department shall provide permit and inspection services for the installation of electrical wiring at _____.
- a. campgrounds
 - b. manufactured trailer home communities
 - c. private marinas
 - d. all of the above
45. Municipalities engaging in providing plan review, permit issuance, or inspections regarding electrical wiring under the scope of this chapter as _____ may be monitored or audited by the department for compliance with administrative requirements of this chapter and s. SPS 305.627
- a. an employee of the municipality
 - b. a designated inspection agency
 - c. the local inspector
 - d. all of the above
46. 316.012 Permits are required if the project involves the installation of new or an addition to any electrical service, feeder or branch circuit serving any of the following:
- a. A farm
 - b. A public building, structure, or premises
 - c. A place of employment
 - d. all of the above

47. Permits are required if the project involves the installation of new or an addition to any electrical service, feeder or branch circuit serving any of the following:
- A campground.
 - A manufactured trailer home community.
 - A public marina, pier, dock, wharf, or recreational vehicle park
 - both a & c
48. Under emergency conditions, the necessary electrical wiring may commence without obtaining a permit, provided the owner of the premises where the installation is to occur or their agent submits a permit application to the inspection agency designated by the department to provide electrical inspections for the installation no later than the _____ commencement of the installation.
- same business day after
 - next business day before
 - next business day after
 - next business day after or before
49. The application for a permit required under sub. (1) shall contain all of the following information:
- The name of the person responsible for the installation.
 - The name and license number of the master/journeyman electrician or residential master/journeyman electrician responsible for the installation, unless exempted under s. 101.862 (4), Stats.
 - both a & b
 - none of the above
50. The application for a permit required under sub. (1) shall contain all of the following information:
- The name of the building or property owner.
 - The location of the electrical wiring installation.
 - The scope and extent of the electrical wiring installation.
 - all of the above
51. SPS 320.13 Inspections. (2) Inspections of electrical wiring installations described under s. SPS 316.012 (1) (a) shall be conducted by a certified _____.
- UDC inspector
 - master electrician
 - commercial electrical inspector
 - all of the above
52. The building owner or their agent shall notify the inspection agency designated by the department to provide electrical inspections when the electrical wiring installation is ready for inspection. (b) Except as provided in par. (c), to facilitate inspection all of the following shall apply:
- Electrical wiring shall remain accessible for inspection purposes
 - Electrical wiring may not be energized.
 - Electrical wiring shall remain exposed for inspection purposes
 - all of the above
53. The concealment or energizing of electrical wiring, other than an electrical service, may proceed if inspection has not been completed within _____ after notification is received or as otherwise agreed between the wiring installer and the designated inspection agency providing the inspection.
- 2 days
 - 2 business days
 - 48 hours
 - 48 business hours
54. If upon inspection, it is found that the installation is in compliance with this chapter, the certified inspector shall approve the installation prior to _____ the electrical wiring.
- concealing
 - energizing
 - removing
 - both a & b
55. If upon inspection, it is found that the installation is incomplete or not in compliance with this chapter, orders to correct shall be issued. An order _____ include the condition that the electrical wiring is to remain unconcealed and non-energized until re-inspected.

- a. shall
- b. must
- c. may
- d. none of the above

56. (4) Records of inspections shall comply with one of the following: (a) *Municipal enforcement*. Municipalities that have adopted an ordinance to enforce this code shall maintain records in accordance with all of the following:

- a. A record shall be made of each visit to a site, each inspection type performed and the pass or fail results of each inspection.
- b. Applications, plans, forms, correction orders, correspondence, permits.
- c. inspection records shall be maintained for 17 years after completion.
- d. both a & b

57. (4) Records of inspections shall comply with one of the following: b) State enforcement. Inspectors working under a state contract shall maintain records in accordance with the provisions of the _____ that were in effect at the time the inspections were completed.

- a. pact
- b. contract
- c. agreement
- d. policies

58. Penalties for violations of this chapter shall be assessed in accordance with s. _____.

- a. 101.02 (12)
- b. 101.02 (13)
- c. 101.88 (3)
- d. all of the above

59. 316.015 All appeals shall be acted on and a decision in writing shall be issued by the department within ____ business days of receiving an appeal.

- a. 20
- b. 30
- c. 60
- d. 90

60. Any municipality, corporation or any ____ or more persons having an interest in an administrative rule may petition the department requesting the adoption, amendment or repeal of the rule.

- a. 3
- b. 4
- c. 5
- d. 6

61. Upon request, the department _____ perform electrical plan review for dwellings, public buildings, places of employment and electrical services.

- a. shall
- b. must
- c. may
- d. none of the above

62. 316.017 The department _____ provide technical assistance to the extent possible with the available resources to any person, upon written request, regarding interpretation and application of this chapter.

- a. shall
- b. might
- c. may
- d. none of the above

63. The technical assistance may consist of _____.

- a. telephone call
- b. written response
- c. in-office or on-site review of specific problems
- d. all of the above

64. All electrical power and communication equipment and lines shall be constructed, installed, operated and maintained so as to minimize hazards to _____.
a. life
b. property
c. both a & b
d. none of the above
65. 316.20 Federal fair housing accessibility guidelines, devices such as light switches, electrical outlets, thermostats and other environmental controls would meet the requirements if operable parts of the controls are located no higher than ____ inches.
a. 60
b. 50
c. 48
d. 36
66. Federal fair housing accessibility guidelines, devices such as light switches, electrical outlets, thermostats and other environmental controls would meet the requirements if operable parts of the controls are located no lower than ____ inches, above the floor.
a. 12
b. 13
c. 15
d. 16
67. If the reach is over an obstruction between 20 and 25 inches in depth, the maximum height is reduced to ____ inches for forward approach
a. 36
b. 42
c. 44
d. 48
68. The reach is a side approach obstruction is 46 inches provided the obstruction is no more than ____ inches in depth.
a. 20
b. 22
c. 24
d. 26
69. Installations over 600 volts shall, in addition to the requirements of this chapter, comply with ch. PSC _____.
a. 112
b. 113
c. 114
d. 115
70. All electrical installations and equipment shall be cleaned and inspected at intervals as experience has shown to be necessary. Any equipment or electrical installation known to be defective so as to endanger life or property shall be promptly _____.
a. repaired
b. temporarily disconnected
c. isolated until repairs can be made
d. both a & c
71. Data, tests, and other evidence shall be provided by a qualified _____ party.
a. dependent third
b. independent third
c. independent second
d. independent
72. Methods of installation that do not comply with the regulations of this chapter shall not be used unless approved by a petition for variance issued by the _____.
a. independent third party
b. department
c. local electrical inspector

d. all of the above

73. The incorporated National Electrical Code may require new products, constructions, or materials that may not be available at the time this chapter is adopted. In such event, the department may permit the use of the products, constructions or materials which comply with a _____ edition of the National Electrical Code.

- a. old
- b. new
- c. previous
- d. current

74. 316.023 Electric fences. The following is a department rule in addition to the requirements of the NEC: Electric fence controllers shall be installed and used in the exact manner and for the exact purpose indicated by the manufacturer's instructions, _____.

- a. markings
- b. listings
- c. labels
- d. all of the above

75. Electric fence controllers shall be of a type _____ by a nationally recognized testing laboratory.

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

76. Electric fence controllers shall be grounded as specified in NEC 250, except that where stray voltages in _____ create physical problems to the animals, the use of a single made electrode shall be permitted.

- a. dairy barns
- b. milking parlors
- c. loafing barns
- d. both a & b

77. Subsections (1) and (2) do not apply to electric fence controllers designed and manufactured for the purpose of controlling _____.

- a. non-dairy barns
- b. milking parlors
- c. cattle
- d. humans

78. "Nonrated construction" means Types _____ construction in accordance with chs. SPS 361 to 366 and is considered to be nonfire-rated for the purposes of this chapter.

- a. III
- b. IV
- c. V
- d. all of above

79. "Private sewage system" means a sewage treatment and disposal system serving a single structure with a _____ located on the same parcel as the structure.

- a. septic tank
- b. soil absorption field
- c. both a & b
- d. none of the above

80. (2) SUBSTITUTIONS. The following department definition is a substitution for the respective definition in NEC 100: "Special permission" means a petition for variance in accordance with SPS _____.

- a. 316.003
- b. 316.004
- c. 316.005
- d. 316.006

81. 316.110 Examination, identification, installation, use, and listing of equipment. **(1)** Substitute the following wording for the requirements in NEC 110.3 (B): Equipment that is listed, labeled, or both, or identified for a use shall be _____ in accordance with any instructions included in the listing, labeling, or identification provided the instructions, listing, or labeling do not conflict with this chapter.

- a. installed
- b. used
- c. both a & b
- d. either a or b

82. 316.210 Branch circuits. (1) GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. (a) Substitute the following wording for NEC 210.8 (A): All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the following locations shall have ground-fault circuit interrupter protection for personnel to include:

- a. Bathrooms
- b. Garages and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use
- c. Outdoors
- d. all of the above

83. The requirements in NEC 210.10 do not apply to _____.

- a. refrigerators
- b. clothes dryers
- c. electric range
- d. both b & c

84. (b) The following are department exceptions to the requirements of NEC 210.52 (C) (3): On _____ countertops or work surface where the surface is flat across its entire surface (no backsplashes, dividers, etc.) and there are no means to mount a receptacle within 500 millimeters (20 inches) above the countertop or work surface, such as an overhead cabinet receptacles may be mounted below the countertop or work surface. Receptacles mounted below a countertop or work surface shall be mounted not more than 300 millimeters (12 inches) below the countertop or work surface and may not be located where the countertop or work surface extends more than 150 millimeters (6 inches) beyond its support base.

- a. island
- b. peninsular
- c. both a and b
- d. none of the above

85. For the purpose of this section, multiple feeders that are supplied from the same distribution point, having a total rating of _____ amperes or more, and that supply not more than 6 disconnecting means grouped at the same location shall be considered as one supply.

- a. 200
- b. 300
- c. 600
- d. 800

86. Multi-occupancy buildings or structures _____ have one set of branch circuit conductors installed from a dwelling unit to the second building or structure's respective occupied space.

- a. shall
- b. must
- c. may
- d. none of the above

87. The building disconnect required by NEC 225.31 shall be located in accordance with s. SPS _____.

- a. 316.230 (1)
- b. 316.230 (2)
- c. 316.230 (3)
- d. 316.230 (4)

88. NUMBER OF SERVICES. Two or more service drops or laterals for the same class of service if located more than _____ feet apart, measured in a straight line.

- a. 100
- b. 125
- c. 150
- d. 200

89. NUMBER OF SERVICES. And provided that all electrical wiring supplied by each service has no common _____ with any other service.

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

90. 316.230 Disconnecting means shall be provided to disconnect the utility wiring from the premises wiring at any point where utility wiring terminates and premises wiring extends _____ to more than one building or structure.

- a. overhead
- b. underground
- c. both a & b
- d. none of the above

91. Raceways containing service conductors or cables, or service entrance cable not contained within a raceway, may not extend longer than ____ feet into a building to the service disconnect or the first service disconnect of a group of disconnects as permitted by NEC 230.6.

- a. 6
- b. 7
- c. 8
- d. 10

92. The _____ shall be considered to have entered the building at the point where they pass through the outer surface of the building exterior, except as permitted by NEC 230.6.

- a. raceways
- b. conductors
- c. both a & b
- d. none of the above

93. For ____ dwellings, the service equipment shall have a rating of not less than 150 amperes, 3-wire or 4-wire.

- a. 1-family
- b. multi-family
- c. 2-family
- d. both b & c

94. (2) SUPPLEMENTAL ELECTRODE. This is a department rule in addition to the requirements in NEC 250.53 (A) (3): A single electrode consisting of a _____ shall be augmented by one additional electrode of any of the types in NEC 250.52 (A).

- a. rod
- b. pipe
- c. plate
- d. all of the above

95. (3) TYPES OF EQUIPMENT GROUNDING CONDUCTORS. This is a department rule in addition to the requirements of NEC 250.118: A metallic raceway installed in direct contact with earth _____ shall be augmented with a supplemental equipment grounding conductor identified in NEC 250.118 (A) (1). This supplemental conductor shall be sized in accordance with NEC 250.122. An aluminum equipment grounding conductor used for this purpose shall be insulated.

- a. concrete slabs poured on earth
- b. floors poured on earth
- c. exterior concrete walls below grade
- d. all of the above

96. This supplemental conductor shall be sized in accordance with NEC 250.122. An aluminum equipment grounding conductor used for this purpose shall _____.

- a. not be used
- b. be insulated
- c. be covered
- d. be protected

97. All effluent pump circuit wiring shall comply with the approved wiring methods as specified in NEC 300 and all of the following requirements:

- a. Effluent pumps shall be supplied by a separate branch circuit supplying no other loads.
- b. Alarm wiring may be connected to the pump circuit.
- c. All aboveground cables and flexible cords shall be enclosed to protect against physical damage.
- d. both a & c

98. All effluent pump circuit wiring shall comply with the approved wiring methods as specified in NEC 300 and all of the following requirements:

- a. The neutral conductor may be common to both alarm and pump circuits.
- b. Where the wiring enclosure for the alarm and pump circuit is located outside the pump chamber, any openings into the pump chamber for circuit wiring may be sealed or plugged to allow the passage of gas or vapor into the wiring enclosure.
- c. both a & b
- d. none of the above

99. 316.300 Wiring methods Note: This _____ use of a multi-wire branch circuit to supply both the alarm and pump.

- a. allows
- b. promotes
- c. prohibits
- d. none of the above

100. A single receptacle located at the pump chamber that has _____ connected to it does not require ground-fault circuit-interrupter protection.

- a. an alarm
- b. a pump
- c. both a & b
- d. none of the above

101. PROTECTION AGAINST PHYSICAL DAMAGE. (a) The requirements specified in 2011 NEC _____ are not included as part of this chapter.

- a. 300.4 (A)
- b. 300.4 (B)
- c. 300.4 (C)
- d. 300.4 (D)

102. The derating factors shown in NEC Table 310.15 (B) (3) (a) do not apply to branch circuits supplying an _____ unit except under certain conditions:

- a. multi-family
- b. individual dwelling
- c. both a & b
- d. none of the above

103. Cables with entirely nonmetallic sheaths may enter an enclosure through one or more nonflexible raceways of _____, provided all of the following conditions are met:

- a. not less than 12 inches
- b. not more than 10 feet in length
- c. both a & b
- d. none of the above

104. FITTING. A fitting is provided on _____ end of the raceway to protect the cable from abrasion.

- a. one
- b. each
- c. both a & b
- d. none of the above

105. Nonmetallic sheathed cable _____ required to be secured to the box or conduit body where it is installed in accordance with the wiring method specified in s. SPS 316.312.

- a. is
- b. is not
- c. may be

d. shall be

106. Electrical metallic tubing _____ used in direct contact with earth, in concrete slabs or floors poured on earth, or in exterior concrete walls below grade.

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

107. 316.400 Flexible cords and cables. Substitute the following wording for the exception in NEC 400.12 (4): Exception: Flexible cord and flexible cable may be attached to building surfaces for a use permitted under NEC 400.10 (A) if all of the following apply:

- a. The source is not a busway.
- b. The equipment is adequately supported.
- c. The type of cable and attachment to the building, the equipment, and the support comply with the provisions of NEC 368.56 (B) and 590.4.
- d. all of the above

108. 316.406 Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a _____ location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted.

- a. damp
- b. wet
- c. both a & b
- d. none of the above

109. 316.406 (2) BATHTUB AND SHOWER SPACE. Substitute the following wording for NEC 406.9 (C): Receptacles shall not be installed _____ a bathtub or shower stall. Exception: Weight supporting ceiling receptacles (WSCR) shall be permitted to be installed for listed luminaires that employ a weight supporting attachment fitting (WSAF) in damp locations complying with NEC 410.10 (D).

- a. within
- b. directly over
- c. both a or b
- d. none of the above

110. 316.450 Vaults containing oil-insulated transformers shall be located where the vaults can be ventilated to the outside air without using _____, except where a petition for variance is approved.

- a. flues
- b. ducts
- c. both a or b
- d. none of the above

111. 316.511 "Extent of Classified Location" in NEC Table 511.3 (C) under which the floor area of a major repair garage is considered unclassified: Up to _____ above floor level of the room where the room is provided with ventilation from a point not more than 300 mm (12 in.) from the lowest point of the floor area and the ventilation conforms to chs. SPS 361 to 366.

- a. 250 mm
- b. 18 in
- c. both a & b
- d. none of the above

112. "Extent of Classified Location" in NEC Table 511.3 (D) under which the ceiling area of a major repair garage is considered unclassified: Within _____ of ceiling where ventilation is provided from a point not more than 450 mm (18 in.) from the highest point in the ceiling and the ventilation conforms to chs. SPS 361 to 366.

- a. 450 mm
- b. 18 in
- c. both a & b
- d. none of the above

113. 316.551 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 _____-ampere, 125/250-volt receptacle conforming to the

configuration as identified in Figure 551.46 (C) (1). These electrical supplies shall be permitted to include additional receptacles that have configurations in accordance with 551.81.

- a. 30
- b. 40
- c. 50
- d. 60

114. 316.620 Wherever NEC 620 requires disconnecting means with overcurrent protection to be located in an elevator machine room, control room, machinery space or control space and the elevator does not have such a room or space directly accessible from a building floor level, such devices shall be located instead in _____

- a. lockable cabinets
- b. electrical rooms accessible only to qualified persons
- c. both a & b
- d. none of the above

115. 316.700 Emergency systems. Emergency circuit wiring shall be in _____.

- a. listed raceways
- b. Type AC cable
- c. Type SE cable
- d. both a & b

116. Emergency lighting fixtures _____ use flexible cord connections in compliance with NEC 410.62 (C) for electric discharge luminaries.

- a. shall
- b. must
- c. may
- d. none of the above

117. The enclosure of the alternate source of power located outdoors for emergency systems shall be located at least _____ feet horizontally from any combustible portion of a Type III, Type IV, or Type V building.

- a. 3
- b. 10
- c. 15
- d. 20

118. The enclosure of the alternate source of power located outdoors for emergency systems shall be located at least _____ feet from an outdoor electrical transformer, electrical metering, service equipment or normal power distribution equipment.

- a. 3
- b. 10
- c. 15
- d. 20

119. The above dimensions (questions 110-111) may be reduced where a noncombustible barrier is installed that extends at least _____ feet beyond each side of the alternate power source and transformer.

- a. 3
- b. 10
- c. 15
- d. 20

120. The height of the barrier shall be at least _____ foot above the top of the transformer, electrical metering, service equipment, or alternate power source, whichever is higher.

- a. 1
- b. 3
- c. 5
- d. 10

2023 SPS 316 Quiz Answer Sheet

1	a b c d	41	a b c d	81	a b c d
2	a b c d	42	a b c d	82	a b c d
3	a b c d	43	a b c d	83	a b c d
4	a b c d	44	a b c d	84	a b c d
5	a b c d	45	a b c d	85	a b c d
6	a b c d	46	a b c d	86	a b c d
7	a b c d	47	a b c d	87	a b c d
8	a b c d	48	a b c d	88	a b c d
9	a b c d	49	a b c d	89	a b c d
10	a b c d	50	a b c d	90	a b c d
11	a b c d	51	a b c d	91	a b c d
12	a b c d	52	a b c d	92	a b c d
13	a b c d	53	a b c d	93	a b c d
14	a b c d	54	a b c d	94	a b c d
15	a b c d	55	a b c d	95	a b c d
16	a b c d	56	a b c d	96	a b c d
17	a b c d	57	a b c d	97	a b c d
18	a b c d	58	a b c d	98	a b c d
19	a b c d	59	a b c d	99	a b c d
20	a b c d	60	a b c d	100	a b c d
21	a b c d	61	a b c d	101	a b c d
22	a b c d	62	a b c d	102	a b c d
23	a b c d	63	a b c d	103	a b c d
24	a b c d	64	a b c d	104	a b c d
25	a b c d	65	a b c d	105	a b c d
26	a b c d	66	a b c d	106	a b c d
27	a b c d	67	a b c d	107	a b c d
28	a b c d	68	a b c d	108	a b c d
29	a b c d	69	a b c d	109	a b c d
30	a b c d	70	a b c d	110	a b c d
31	a b c d	71	a b c d	111	a b c d
32	a b c d	72	a b c d	112	a b c d
33	a b c d	73	a b c d	113	a b c d
34	a b c d	74	a b c d	114	a b c d
35	a b c d	75	a b c d	115	a b c d
36	a b c d	76	a b c d	116	a b c d
37	a b c d	77	a b c d	117	a b c d
38	a b c d	78	a b c d	118	a b c d
39	a b c d	79	a b c d	119	a b c d
40	a b c d	80	a b c d	120	a b c d

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