Instructions: **Backflow_Quiz**

1. Print these pages. **$30.00**
2. Circle the correct answers and transfer to the answer sheets below.
3. Page down to the last page for the verification forms, answer sheets and mailing instructions.
4. Use SPS 381 and SPS 382 as your reference materials.

This 3 hour course is approved for each of the following:

1. Master Plumber
2. Journeymen Plumber
3. Master Plumber Restricted Appliance
4. Journeymen Plumber Restricted Appliance
5. UDC Plumbing Inspector
6. Commercial Plumbing Inspector

Definitions relating to backflow prevention principles-match the correct code section below:

1. Air break SPS _____.
   a. 381.01 (5) b. 381.01 (7)
   c. 381.01 (13) d. 381.01 (16)
   e. 381.01 (17) f. 381.01 (17e)
2. Air-gap SPS _____.
   a. 381.01 (5) b. 381.01 (7)
   c. 381.01 (13) d. 381.01 (16)
   e. 381.01 (17) f. 381.01 (17e)
3. Aspirator SPS _____.
   a. 381.01 (5) b. 381.01 (7)
   c. 381.01 (13) d. 381.01 (16)
   e. 381.01 (17) f. 381.01 (17e)
4. Backflow SPS _____.
   a. 381.01 (5) b. 381.01 (7)
   c. 381.01 (13) d. 381.01 (16)
   e. 381.01 (17) f. 381.01 (17e)
5. Back pressure SPS _____.
   a. 381.01 (5) b. 381.01 (7)
   c. 381.01 (13) d. 381.01 (16)
   e. 381.01 (17) f. 381.01 (17e)
6. Backflow preventer SPS _____.
   a. 381.01 (5) b. 381.01 (7)
   c. 381.01 (13) d. 381.01 (16)
   e. 381.01 (17) f. 381.01 (17e)
7. Back siphonage SPS _____.
   a. 381.01 (19) b. 381.01 (62m)
   c. 381.01 (64) d. 381.01 (65)
   e. 381.01 (65m) f. 381.01 (66)
8. Continuous pressure SPS _____.
   a. 381.01 (19) b. 381.01 (62m)
   c. 381.01 (64) d. 381.01 (65)
   e. 381.01 (65m) f. 381.01 (66)
9. Critical level SPS _____.
   a. 381.01 (19) b. 381.01 (62m)
   c. 381.01 (64) d. 381.01 (65)

e. 381.01 (65m) f. 381.01 (66)

10. Cross connection SPS _____.
    a. 381.01 (19) b. 381.01 (62m)
    c. 381.01 (64) d. 381.01 (65)
    e. 381.01 (65m) f. 381.01 (66)
11. Cross connection assembly SPS _____.
    a. 381.01 (19) b. 381.01 (62m)
    c. 381.01 (64) d. 381.01 (65)
    e. 381.01 (65m) f. 381.01 (66)
12. Cross connection device SPS _____.
    a. 381.01 (19) b. 381.01 (62m)
    c. 381.01 (64) d. 381.01 (65)
    e. 381.01 (65m) f. 381.01 (66)
13. Flood level rim SPS _____.
    a. 381.01 (102) b. 381.01 (120)
    c. 381.01 (128) d. 381.01 (160m)
    e. 381.01 (161)
14. High hazard SPS _____.
    a. 381.01 (102) b. 381.01 (120)
    c. 381.01 (128) d. 381.01 (160m)
    e. 381.01 (161)
15. Human health hazard SPS _____.
    a. 381.01 (102) b. 381.01 (120)
    c. 381.01 (128) d. 381.01 (160m)
    e. 381.01 (161)
16. Non-continuous pressure SPS _____.
    a. 381.01 (102) b. 381.01 (120)
    c. 381.01 (128) d. 381.01 (160m)
    e. 381.01 (161)
17. Nonpotable water SPS _____.
    a. 381.01 (102) b. 381.01 (120)
    c. 381.01 (128) d. 381.01 (160m)
    e. 381.01 (161)
18. Nontoxic SPS _____.
    a. 381.01 (163) b. 381.01 (181)
    c. 381.01 (231) d. 381.01 (263)
    e. 381.01 (265) f. 381.01 (7)
19. Potable water SPS _____.
    a. 381.01 (163) b. 381.01 (181)
    c. 381.01 (231) d. 381.01 (263)
    e. 381.01 (265) f. 381.01 (7)
20. Spill level SPS _____.
    a. 381.01 (163) b. 381.01 (181)
    c. 381.01 (231) d. 381.01 (263)
    e. 381.01 (265) f. 381.01 (7)
21. Turf sprinkler system SPS _____.
    a. 381.01 (163) b. 381.01 (181)
    c. 381.01 (231) d. 381.01 (263)
    e. 381.01 (265) f. 381.01 (7)
22. Vacuum SPS _____.
    a. 381.01 (163) b. 381.01 (181)

c. 381.01 (231) d. 381.01 (263)
e. 381.01 (265) f. 381.01 (7)

23. Air-gap SPS _____.
a. 381.01 (163) b. 381.01 (181)
c. 381.01 (231) d. 381.01 (263)
e. 381.01 (265) f. 381.01 (7)

24. Atmospheric type vacuum breaker SPS _____.
a. 381.01 (172) b. 381.01 (18)
c. none of the sections listed.
d. 381.01 (79) e. 381.01 (80m)
f. 381.01 (80)

25. Backflow preventer with intermediate atmospheric vent SPS _____.
a. 381.01 (172) b. 381.01 (18)
c. none of the sections listed.
d. 381.01 (79) e. 381.01 (80m)
f. 381.01 (80)

26. Backflow prevention device for hand-held showers _____.
a. 381.01 (172) b. 381.01 (18)
c. none of the sections listed.
d. 381.01 (79) e. 381.01 (80m)
f. 381.01 (80)

27. Double check backflow prevention assembly SPS _____.
a. 381.01 (172) b. 381.01 (18)
c. none of the sections listed.
d. 381.01 (79) e. 381.01 (80m)
f. 381.01 (80)

28. Double check fire protection backflow prevention assembly SPS _____.
a. 381.01 (172) b. 381.01 (18)
c. none of the sections listed.
d. 381.01 (79) e. 381.01 (80m)
f. 381.01 (80)

29. Double check detector fire protection backflow prevention SPS _____.
a. 381.01 (172) b. 381.01 (18)
c. none of the sections listed.
d. 381.01 (79) e. 381.01 (80m)
f. 381.01 (80)

30. Dual check backflow preventer wall hydrant-freeze resistant SPS _____.
a. 381.10 (82e) b. 381.01 (108s)
c. 381.01 (124) d. 381.01 (125)
e. 381.01 (137) f. 381.01 (189)

31. Freeze resistant sanitary yard hydrant SPS _____.
a. 381.10 (82e) b. 381.01 (108s)
c. 381.01 (124) d. 381.01 (125)
e. 381.01 (137) f. 381.01 (189)

32. Hose connection backflow preventer SPS _____.
a. 381.10 (82e) b. 381.01 (108s)
c. 381.01 (124) d. 381.01 (125)
e. 381.01 (137) f. 381.01 (189)

33. Hose connection vacuum breaker SPS _____.
a. 381.10 (82e) b. 381.01 (108s)
c. 381.01 (124) d. 381.01 (125)

e. 381.01 (137) f. 381.01 (189)

34. Laboratory faucet backflow preventer SPS _____.
    a. 381.10 (82e) b. 381.01 (108s)
    c. 381.01 (124) d. 381.01 (125)
    e. 381.01 (137) f. 381.01 (189)

35 Pressure vacuum breaker assembly SPS _____.
    a. 381.10 (82e) b. 381.01 (108s)
    c. 381.01 (124) d. 381.01 (125)
    e. 381.01 (137) f. 381.01 (189)

36. Reduced pressure detector fire protection backflow preventer SPS _____.
    a. 381.01 (203) b. 381.01 (203m)
    c. 381.01(204) d. 381.01 (231m)
    e. 381.01 (265e) f. 381.01 (272)

37. Reduced pressure fire protection principle backflow preventer SPS _____.
    a. 381.01 (203) b. 381.01 (203m)
    c. 381.01(204) d. 381.01 (231m)
    e. 381.01 (265e) f. 381.01 (272)

38. Reduced pressure principle backflow preventer SPS _____.
    a. 381.01 (203) b. 381.01 (203m)
    c. 381.01(204) d. 381.01 (231m)
    e. 381.01 (265e) f. 381.01 (272)

39. Spill resistant vacuum breaker SPS _____.
    a. 381.01 (203) b. 381.01 (203m)
    c. 381.01(204) d. 381.01 (231m)
    e. 381.01 (265e) f. 381.01 (272)

40. Vacuum breaker tee SPS _____.
    a. 381.01 (203) b. 381.01 (203m)
    c. 381.01(204) d. 381.01 (231m)
    e. 381.01 (265e) f. 381.01 (272)

41. Wall hydrant, freeze resistant automatic draining vacuum breaker SPS _____.
    a. 381.01 (203) b. 381.01 (203m)
    c. 381.01(204) d. 381.01 (231m)
    e. 381.01 (265e) f. 381.01 (272)

42. Approved methods for backflow protection include:
    a. Air-gap SPS 382.41 (5)(a)
    b. Barometric loop SPS 382.41 (5)(i)
    c. Vacuum breaker tee SPS 382.41 (5)Q)
    d. All of the above

43. Atmospheric type vacuum breaker (AVB) ASSE 1001 for pipe-applied applications, a minimum of 6" above: SPS 382.41 (4)(b)1.
    a. Flood level rim of the receptor
    b. Highest point downstream where back pressure would be created
    c. Highest point of an injection or aspiration port
    d. All of the above

44. Atmospheric type vacuum breaker (AVB) ASSE 1001 for deck-mount applications, a minimum of 1" above: SPS 382.41 (4)(b)1.
    a. Flood level rim of the receptor
    b. Highest point downstream where back pressure would be created
    c. Highest point of an injection or aspiration port
    4. All of the above

45. Atmospheric type vacuum breaker (AVB) ASSE 1001 must be installed as per Mfg's requirements; must be accessible SPS 382.41 (5)(b)
a. true
b. false
46. Atmospheric type vacuum breaker (AVB) ASSE 1001 must be protected from freezing SPS 382.41 (5)(c)
a. true
b. false
47. Atmospheric type vacuum breaker (AVB) ASSE 1001 must not be located in uninhabitable areas subject to flooding SPS 382.41 (5)(d)1.
a. true
b. false
48. Atmospheric type vacuum breaker (AVB) ASSE 1001 must not be installed in a pit or vault or depression SPS 382.41 (5)(d)2.
a. true
b. false
49. Atmospheric type vacuum breaker (AVB) ASSE 1001 must have the vent ports positioned towards areas containing toxic fumes; positioned downward; positioned so as to drain dry SPS 382.41 (5)(e)1.a.
a. true
b. false
50. Atmospheric type vacuum breaker (AVB) ASSE 1001 must be so located that vent ports are provided with an air gap so as to comply with SPS 382.41 (5)(e)2.
a. true
b. false
51. Atmospheric type vacuum breaker (AVB) ASSE 1001 must not have a control valves installed downstream SPS 382.41 (5)(h).
a. true
b. false
52. Pipe Applied Atmospheric Type Vacuum Breakers (ASSE 1001) are allowed for backsiphonage low hazard non-continuous pressure. Table 382.41−1
a. true
b. false
53. Pipe Applied Atmospheric Type Vacuum Breakers (ASSE 1001) are allowed for backsiphonage high hazard non-continuous pressure. Table 382.41−1
a. true
b. false
54. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved for low or high hazard, back pressure, continuous pressure Table SPS 382.41-1
a. true
b. false
55. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved for a maximum back pressure conditions of 250 psi SPS 382.41 (4)(d)1.
a. true
b. false
56. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved for a boilers: max 15 psi steam or 30 psi water pressure setting SPS 382.41 (4)(d)2.
a. true
b. false
57. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved to be installed as per Mfg's requirements; must be accessible SPS 382.41 (5)(b)

a. true
b. false

58. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved and must be protected from freezing SPS 382.41 (5)(c)

a. true
b. false

59. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved for locations in uninhabitable areas subject to flooding SPS 382.41 (5)(d)1.

a. true
b. false

60. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved for an installation in a pit or vault or depression SPS 382.41 (5)(d)2.

a. true
b. false

61. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved to have the Vent ports positioned away from areas containing toxic fumes; positioned downward; positioned so as to drain dry SPS 382.41 (5)(e)1.a.

a. true
b. false

62. Backflow preventer with intermediate atmospheric vent ASSE 1012 are approved for devices/assemblies located that vent ports are provided with an air gap complying with SPS 382.41 (5)(e)2.

a. true
b. false

63. Backflow prevention device for hand-held showers ASSE 1014 must not exceed a minimum of a 10 feet of head back pressure SPS 382.41 (4)(f)

a. true
b. false

64. Backflow prevention device for hand-held showers ASSE 1014 must be installed as per Mfg's requirements; must be accessible SPS 382.41 (5)(b)

a. true
b. false

65. Backflow prevention device for hand-held showers ASSE 1014 must have the vent ports positioned towards the areas containing toxic fumes; positioned upward; positioned so as to drain dry SPS 382.41 (5)(e)1.a.

a. true
b. false

66. Backflow prevention device for hand-held showers ASSE 1014 must be so located that vent ports are provided with an air gap so as to comply with SPS 382.41 (5)(e)2.

a. true
b. false

67. Dual check backflow preventer wall hydrant-freeze resistant type ASSE 1053 must not have a hose threaded outlet connection Table SPS 382.41-2.

a. true
b. false

68. Dual check backflow preventer wall hydrant-freeze resistant type ASSE 1053 must have a continuous pressure permitted for campgrounds & marinas SPS 382.41 (4)(c)1 .a.

a. true
b. false

69. Dual check backflow preventer wall hydrant-freeze resistant type ASSE 1053 must be installed as per Mfg's requirements; must be accessible whenever possible SPS 382.41 (5)(b).

a. true
b. false

70. Dual check backflow preventer wall hydrant-freeze resistant type ASSE 1053 can be located in uninhabitable areas subject to flooding SPS 382.41 (5)(d)1.
a. true
b. false

71. Dual check backflow preventer wall hydrant-freeze resistant type ASSE 1053 must not be installed in a pit or vault or depression SPS 382.41 (5)(d)2.
a. true
b. false

72. Dual check backflow preventer wall hydrant-freeze resistant type ASSE 1053 must have the vent ports positioned away from areas containing toxic fumes; positioned downward; positioned so as to drain dry SPS 382.41 (5)(e)1.a.
a. true
b. false

73. Dual check backflow preventer wall hydrant-freeze resistant type ASSE 1053 must be located that vent ports are provided with an air gap so as to comply with SPS 382.41 (5)(e)2.
a. true
b. false

74. Freeze resistant sanitary yard hydrant ASSE 1057 are allowed to have a 12' maximum water column back pressure SPS 382.41 (4)(i).
a. true
b. false

75. Freeze resistant sanitary yard hydrant ASSE 1057 must be Installed as per Mfg's requirements and does not need to be accessible SPS 382.41 (5)(b)
a. true
b. false

76. Freeze resistant sanitary yard hydrant ASSE 1057 must not located in uninhabitable areas subject to flooding SPS 382.41 (5)(d)1.
a. true
b. false

77. Freeze resistant sanitary yard hydrant ASSE 1057 must not installed in a pit or vault or depression SPS 382.41 (5)(d)2.
a. true
b. false

78. Freeze resistant sanitary yard hydrant ASSE 1057 should have the vent ports positioned towards areas containing toxic fumes; positioned upward; positioned so as to drain dry SPS 382.41 (5)(e)1.a.
a. true
b. false

79. Freeze resistant sanitary yard hydrant ASSE 1057 must be located that vent ports are provided with an air break so as to comply with SPS 380.41 (5)(e)2.
a. true
b. false

80. Hose connection backflow preventer ASSE 1052 requirements include the following:
a. High hazard, back siphonage, non-continuous pressure Table SPS 382.41-1
b. Non continuous pressure permitted for campgrounds & marinas SPS 382.41 (4)(c)1.a.
c. Limited to discharge side of any valve SPS 380.41 (4)(c)1.b.
d. Maximum 12' water column back pressure SPS 382.41 (4)(c)2.

81. Hose connection backflow preventer ASSE 1052 requirements include the following:
a. Installed as per Mfg's requirements; must be accessible SPS 382.41 (5)(b)

b. Located in uninhabitable areas subject to flooding SPS 382.41 (5)(d)1.
c. Installed in a pit or vault or depression SPS 382.41 (5)(d)2.
d. None of the above

82. Hose connection backflow preventer ASSE 1052 requirements include the following:
a. Vent ports positioned away from areas containing toxic fumes; positioned downward; positioned so as to drain dry SPS 382.41 (5)(e)1.a.
b. So located that vent ports are provided with an air gap so as to comply with ASME A112.1.2orASMEA112.1.3. SPS 382.41 (5)(e)2.
c. None of the above.
d. Both a and b.

83. Hose connection vacuum breaker ASSE 1011 requirements include the following:
a. High hazard, back siphonage, non-continuous pressure Table SPS 382.41-1
b. Continuous pressure permitted for campgrounds & marinas SPS 382.41 (4)(c)1.a.
c. None of the above.
d. Both a and b.

84. Hose connection vacuum breaker ASSE 1011 requirements include the following:
a. Limited to discharge side of control valve SPS 382.41 (4)(c)1 .b.
b. Maximum 10' water column back pressure SPS 382.41 (4)(c)2.
c. Installed as per Mfg's requirements; must be accessible SPS 382.41 (5)(b)
d. all of the above.

85. Hose connection vacuum breaker ASSE 1011 requirements include the following:
a. Not located in uninhabitable areas subject to flooding SPS 382.41 (5)(d)1.
b. Not installed in a pit or vault or depression SPS 382.41 (5)(d)2.
c. Vent ports positioned away from areas containing toxic fumes; positioned downward; positioned so as to drain dry SPS 382.41 (5)(e)1.a.
d. all of the above.

86. Vacuum breaker wall hydrants, freeze resistant automatic draining ASSE 1019 requirements include the following:
a. Not located in uninhabitable areas subject to flooding SPS 382.41 (5)(d)1.
b. Not installed in a pit or vault or depression SPS 382.41 (5)(d)2.
c. Vent ports positioned away from areas containing toxic fumes; positioned downward; positioned so as to drain dry SPS 382.41 (5)(e)1.a.
d. all of the above.

87. Vacuum breaker wall hydrants, freeze resistant automatic draining ASSE 1019 requirements include the following:
a. Hose threaded outlet connections Table SPS 380.41-2 Type C or D
b. Maximum 12' water column back pressure SPS 382.41 (4)(c)2.
c. Installed as per Mfg's requirements; must be accessible SPS 382.41 (5)(b)
d. all of the above.

88. Laboratory faucet backflow preventer ASSE 1035 requirements include the following:
a. Maximum 6' water column back pressure SPS 382.41 (4)(L)
b. Installed as per Mfg's requirements; must be accessible SPS 382.41 (5)(b)
c. Protected from freezing SPS 382.41 (5)(c)
d. d. all of the above.

89. Laboratory faucet backflow preventer ASSE 1035 requirements include the following:
a. Not located in uninhabitable areas subject to flooding SPS 382.41 (5)(d)1.
b. Not installed in a pit or vault or depression SPS 382.41 (5)(d)2.
c. None of the above.
d. Both a and b.

90. Laboratory faucet backflow preventer ASSE 1035 requirements include the following:
    a. No control valves installed downstream SPS 382.41 (5)(h)
    b. So located that vent ports are provided with an air gap so as to comply with SPS 382.41 (5)(e)2.
    c. None of the above.
    d. Both a and b.

Backflow_Quiz

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

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