halhoke DWV TEST

Version 1 Aug. 2014

halhoke DWV Test

The following practice test is a complete package and should be printed as one to two sided.

Questions associated with this test can be directed to W. Hal Hokanson

Email: halhoke@mac.com Website: halhoke.com

Directions:

- There are 45 multiple choice questions in this test.
- Use the answer sheet provided when writing the test.
- Quetsions 1-32 refer to the diagram supplied in the package.
- Be sure to read the full question before choosing your answer.
- Considering that the IP and C. of Q. exams allow 1.92 minutes per question, you should set a time restriction on this test for **1 ½ hrs.**

Disclaimer: This is NOT an Interprovincial Standards (Red Seal) Test. This is a practice test for plumbers to test themselves in the area of DWV from the National Plumbing Code Book of Canada. Success on this test will NOT result in certification or qualification. This test is intended for self-assessment only and is not to be sold, edited or modified in any way without the express permission of the author, W. Hal Hokanson.

halhoke
Plumber Tutoring
halhoke.com

halhoke DWV Test (45 Questions)

Questions 1 - 32 Refer to halhoke DWV Diagram #31 (Attached to This Test)

Do Not Write on This Test. Use the answer sheet provided.

1. The size of the pipe located at point A. is:
    a. 1¼"
    b. 1½"
    c. 2"
    d. 3"

2. What is the developed length used to size the pipe located at point A.?
    a. 2 m
    b. 3 m
    c. 5.5 m
    d. 22 m

3. The name of the pipe located at point A. is:
    a. stack vent
    b. vent stack
    c. branch vent
    d. vent header

4. The size of the pipe located at point B. is:
    a. 1½"
    b. 2"
    c. 3"
    d. 4"

5. The name of the pipe located at point B. is:
    a. circuit vent
    b. stack vent
    c. vent header
    d. branch vent

6. The developed length used for sizing the vent pipe located at point C. is:
    a. 9 m
    b. 20 m
    c. 21 m
    d. 22 m

7. The name of the pipe located at point C. is:
    a. circuit vent
    b. branch vent
    c. vent header
    d. stack vent

8. The developed length used for sizing the pipe located at point D. is: (choose the best answer)
    a. 3 m
    b. 12 m
    c. 20 m
    d. Developed length is not a factor in sizing this pipe.

9. The name and size of the pipe located at point E. is:
    a. soil-or-waste stack 1 ½"
    b. branch 1 ½"
    c. soil-or-waste stack 2"
    d. branch 2"

10. The size of the clean-out located at point F. is:

    a. 4”
    b. 3”
    c. 2”
    d. 1 ½”

11. The name of the pipe located at point G. is:

    a. sanitary building sewer
    b. sanitary building drain
    c. storm building sewer
    d. combined building sewer

12. To prevent sewage from entering the building by both surcharge from the municipal sewer and sewage from the building itself, the best place to install the backwater valve in the basement of this building would be at point:

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

13. The minimum length for the fixture drain on the FD located at point H. is:

    a. 6”
    b. 450 mm
    c. 3.6 m
    d. 300 mm

14. The minimum diameter of the fixture drain for the FD located at point H. is:

    a. 2"
    b. 3"
    c. 4"
    d. 5"

* This question has an explanation available on You Tube.
Follow this link or read the code to the right.

http://youtu.be/0VOb99pH1AQ

15. The hydraulic load used to size the pipe located at point I. is:

    a. 5.5 FU
    b. 8.5 FU
    c. 4 FU
    d. 1.5 FU

16. The minimum permitted size of the pipe located at point K. is:

    a. 1½"
    b. 2"
    c. 3"
    d. 4"

17. According to the 2015 National Plumbing Code of Canada, the minimum required size of the cleanout located at the base of the soil-or-waste stack located at point K. is:

    a. 4"
    b. 3"
    c. 2"
    d. 1 ½"

18. The developed length used for sizing the pipe at point L. is:

    a. 20 m
    b. 12 m
    c. 9 m
    d. 17 m

19. The size of the clean-out connected to the vent pipe located at point L. is:

    a. 2"
    b. 3"
    c. 4"
    d. 6"

20. The name of the drain pipe connected immediately below the pipe located at point L. is:

    a. a circuit vent
    b. a wet vent
    c. a branch vent
    d. a circuit vented branch

21. The soil-or-waste stack located at point M. must be a minimum size of:

    a. 1 ¼"
    b. 1 ½"
    c. 2"
    d. 3"

22. The SWS located at point M is also acting as a:

    a. relief vent
    b. circuit vent
    c. 1 ½" wet vent
    d. 2" wet vent

23. The size of the clean-out located at point N. must be a minimum size of:

    a. 1 ½"
    b. 2"
    c. 3"
    d. 4"

* This question has an explanation available on You Tube. Follow this link or read the code to the right.

http://youtu.be/q_mujx_czX4

24. The name of the wet pipe located immediately downstream of the clean-out located at point N. is:

    a. wet vent

    b. circuit vent

    c. branch drain

    d. fixture outlet pipe

25. What is the developed length used to size the vent pipe that the clean-out at point N. is connected to?

    a. 14 m

    b. 17 m

    c. 16 m

    d. 19 m

26. What is the size of the dry vent pipe located at point N.?

    a. 1 ¼"

    b. 1 ½"

    c. 2"

    d. 3"

27. What is the developed length used to size the vent pipe located at point O.?

    a. 2.5 m

    b. 3 m

    c. 3.5 m

    d. 5.5 m

28. What is the name of the vent pipe located at point O.?

    a. vent stack
    b. stack vent
    c. soil-or-waste stack
    d. branch vent

29. What is the hydraulic load used to size the vent pipe located at point O.?

    a. 1.5 FU
    b. 28.5 FU
    c. 38.5 FU
    d. 48.5 FU

30. What is the developed length used to size the vent pipe located at point P.?

    a. 8 m
    b. 10 m
    c. 11 m
    d. 13 m

31. What is the name of the vent pipe located at point P.?

    a. continuous vent
    b. branch vent
    c. dual vent
    d. circuit vent

32. What is the hydraulic load used to size the vent pipe located at point P.?

    a. 1.5
    b. 28.5
    c. 4 FU
    d. 5.5 FU

33. The base of every soil-or-waste stack must have a:

    a. floor drain

    b. TY

    c. cleanout and expansion joint

    d. building drain

34. A soil-or-waste stack receives fixture unit loads from four stories in a commercial building. The load on the top floor is 8 FU. The load on the third floor is 18 FU. The load on the second floor is 28 FU and the load on the main floor is 38 FU. The size of the stack vent will have to be at least:

    a. 1 ¼"

    b. 1 ½"

    c. 2"

    d. 3"

35. The minimum size of a wet vent serving a water closet is:

    a. 1 ¼"

    b. 1 ½"

    c. 2"

    d. 3"

36. A section of _____ branch may be circuit vented.

    a. horizontal

    b. vertical

    c. 1 ¼"

    d. 1 ½"

37. The minimum size of a fresh air inlet for a building trap is:

    a. 1 ½"

    b. 2"

    c. 3"

    d. 4"

38. The minimum size of a future vent in a basement is:

    a. 1 ¼"

    b. 1 ½"

    c. 2"

    d. 3"

39. PVC DWV Piping is hung horizontally down a corridor in a hospital basement a distance of 138 meters. The total amount of hangers required is:

    a. 138

    b. 115

    c. 116

    d. 117

40. The maximum plus or minus pressure differential permitted in a DWV system is:

    a. 1" water column

    b. 1 ½" water column

    c. 2" water column

    d. 3 m water column

41. The minimum size of a clean-out required on a 6" sanitary building drain main clean-out is?

    a. 6"

    b. 5"

    c. 4"

    d. 3"

42. Three bathroom groups drain to a branch. The minimum size of the branch will be:

    a. 4"

    b. 3"

    c. 2"

    d. 1 ½"

43. The minimum diameter of trap on a floor drain that does not require venting is:

    a. 1 ¼"

    b. 1 ½"

    c. 2"

    d. 3"

44. A yoke vent is connected to a 2" branch and a 3" vent stack. The yoke vent is sized at:

    a. 1 ¼"

    b. 1 ½"

    c. 2"

    d. 3"

45. An offset relief vent is being utilized within a buildings DWV system. The base of the stack is 6" in diameter and the stack vent is 3" in size. The offset relief vent will be sized at:

    a. 1 ¼"

    b. 1 ½"

    c. 2"

    d. 3"

End of Test

halhoke Plumber Tutoring

halhoke.com

halhoke
Plumber Tutoring

halhoke DWV Test

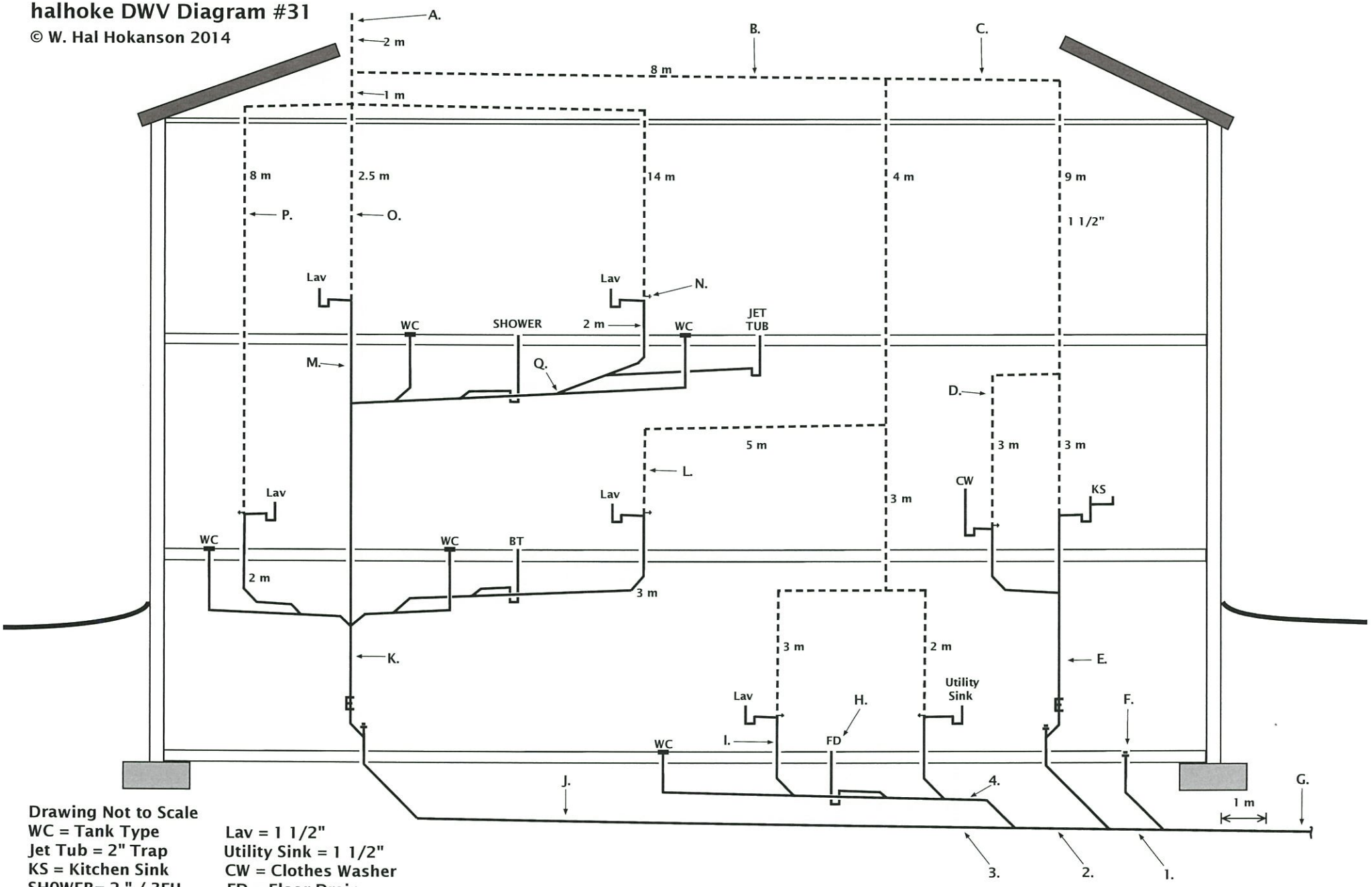
Answer Sheet

Questions associated with this test can be directed to W. Hal Hokanson
Email: halhoke@mac.com

Question	Answer
1.	D
2.	D
3.	D
4.	B
5.	B
6.	D
7.	D
8.	D
9.	C
10.	A
11.	A
12.	D
13.	B
14.	B
15.	D
16.	C
17.	B
18.	C
19.	A
20.	B
21.	D
22.	A
23.	C

Question	Answer
24.	B
25.	C
26.	C
27.	D
28.	B
29.	B
30.	A
31.	A
32.	D
33.	C
34.	C
35.	C
36.	A
37.	D
38.	B
39.	C
40.	A
41.	C
42.	A
43.	D
44.	B
45.	C

halhoke DWV Diagram #31



Drawing Not to Scale

WC = Tank Type	Lav = 1 1/2"
Jet Tub = 2" Trap	Utility Sink = 1 1/2"
KS = Kitchen Sink	CW = Clothes Washer
SHOWER= 2 " / 3FU	FD = Floor Drain

All Trap arms connect horizontally to horizontal soil-or-waste pipes = wye on the flat.

The soil-or-waste pipe located at point Q. connects also as a wye on the flat.

halhoke DWV Test

Test

45 Question DWV Test _____ **Date** _____.

Instructor _____ **Student Name** _____.

	A	B	C	D
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				

	A	B	C	D
43				
44				
45				

%

Score

/ 45

Out of 45

Incorrect