

Scope

To bore, drill, excavate, case, cement, clean, and repair water wells; and to install injection wells, water well pumps, pump controls, concrete pump base and waterline to adjacent storage tank.

Examination Outline**Closed-Book****24 Questions – One-hour time limit****75% Correct Required to Pass**

SUBJECT AREA	PERCENTAGE
GENERAL KNOWLEDGE	24
WELL GEOLOGY	18
EXCAVATION AND LOCATION	14
PUMPS AND PIPING	14
CASINGS AND SCREENS	12
YIELD AND ABANDONMENT	12
WATER QUALITY	6

References

The following references have been used to create exam questions but are NOT allowed in the testing center:

1. *Groundwater and Wells*, Second Edition, 1986, Mower House Color Graphics, 508 10th Street Northeast, Austin, MN 55912, www.johnsonscreens.com/p_groundwater.asp.
2. *Hawaii Well Construction and Pump Installation Standards*, Second Edition, 2004, Hawaii Commission on Water Resource Management, 1151 Punchbowl Street, Room 227, Honolulu, HI 96813, www.state.hi.us/dlnr/cwrn.
3. *Mathematics for Plumbers and Pipefitters*, Sixth Edition, 2004, Thomson Delmar Learning, P.O. Box 6904, Florence, KY 41022, www.delmarlearning.com.
4. *Uniform Plumbing Code*, 1997 Edition, IAPMO – International Association of Plumbing and Mechanical Officials, 5001 East Philadelphia Street, Ontario, CA 91761-2816, www.iapmo.org.

For information on how to obtain examination references, please call toll-free 877.624.2562.

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