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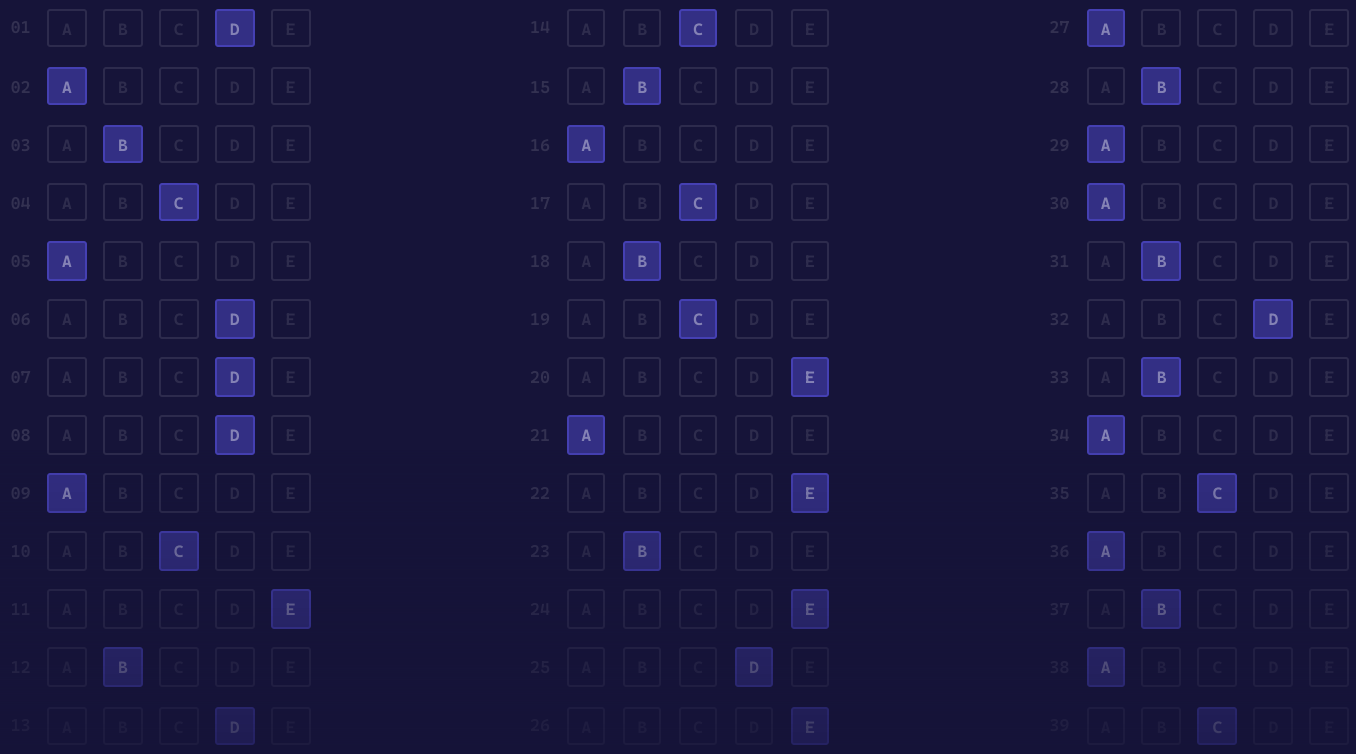

PRACTICE QUESTIONS

CONNECTICUT OCCUPATIONAL TRADES

CAC2QSX6

CT W1 Limited Water Well Contractor Driller

EDITION	QUESTIONS	FORMAT
Demo	9	Limited Edition PDF

WEB www.mometrix.net

SUPPORT support@mometrix.net

Before you begin

What this is

9 practice questions for CONNECTICUT OCCUPATIONAL TRADES `CAC2QSX6`, each with its answer key and an explanation. Answer a question before you read its key — the explanation is worth more once you have committed.

If something looks wrong

Send us three things and we will check it:

- the exam code, `CAC2QSX6`
- the question number
- the email address on your order

Write to **support@mometrix.net**. We reply within one business day.

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QUESTION 1 MULTIPLE CHOICE

Which of the following casing materials are approved for use in water well construction in Connecticut? (Choose two.)

A Black steel pipe

B PVC pipe conforming to ASTM standards

C Galvanized steel pipe with lead-based fittings

D Stainless steel pipe

ANSWER B · D

WHY Connecticut well construction standards require casing materials to be safe, durable, and non-contaminating. PVC pipe conforming to ASTM standards and stainless steel pipe are both approved materials. Black steel pipe corrodes quickly and is not approved, and galvanized steel with lead-based fittings is prohibited because lead can leach into the water supply.

QUESTION 2 MULTIPLE CHOICE

When grouting a water well in Connecticut, which of the following must be observed? (Choose two.)

A Grout must be placed from the bottom of the annular space upward using a tremie pipe

B Grout may be poured from the surface and allowed to flow down by gravity alone

C The annular space between the casing and borehole must be sealed to prevent contamination

D Grouting is only required for wells less than 50 feet deep

ANSWER A · C

WHY Proper grouting requires placement via tremie pipe from the bottom up to eliminate voids, and the annular space must be sealed to prevent surface or subsurface contamination. Gravity pouring causes bridging and voids, and grouting is required regardless of well depth.

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QUESTION 3 SINGLE CHOICE

Which drilling method is most commonly used for water well construction in unconsolidated overburden materials in Connecticut?

A Rotary air drilling

B Cable tool percussion drilling

C Mud rotary drilling

D Down-the-hole hammer drilling

ANSWER B

WHY Cable tool percussion drilling is the traditional and most common method for drilling water wells through unconsolidated overburden materials such as sand, gravel, and clay in Connecticut. Rotary methods are more typically used for bedrock or larger commercial projects, while down-the-hole hammer is for hard rock.

QUESTION 4 SINGLE CHOICE

After drilling a well, what is the minimum recommended duration for a preliminary yield test to evaluate the well's productivity?

A 15 minutes

B 1 hour

C 4 hours

D 24 hours

ANSWER B

WHY A preliminary yield test of at least one hour is commonly required to evaluate the productivity of a newly drilled well. Longer-duration pump tests may be required for higher-capacity or public supply wells, but one hour is the standard minimum preliminary test duration.

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QUESTION 5 SINGLE CHOICE

What is the minimum casing diameter typically required for a residential water well in Connecticut?

A 2 inches

B 4 inches

C 6 inches

D 8 inches

ANSWER C

WHY A minimum casing diameter of 6 inches is typically required for residential water wells in Connecticut. This diameter allows for adequate pump installation, water yield, and future maintenance access. Smaller diameters are not approved for potable water supply wells.

QUESTION 6 SINGLE CHOICE

What must be installed at the top of a completed water well to prevent contamination from entering the well?

A A decorative cap

B A sanitary well seal with a vented cap

C A standard threaded cap with no venting

D A concrete plug only

ANSWER B

WHY Connecticut regulations require a sanitary well seal with a vented cap at the top of a completed well. The seal prevents surface contaminants from entering the well, while the vent allows for pressure equalization and prevents vacuum conditions that could damage the seal or draw contaminants in.

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QUESTION 7 SINGLE CHOICE

A Connecticut W1 Limited Water Well Contractor Driller license authorizes the holder to perform which type of work?

A Drilling of all water wells including public supply wells

B Drilling of limited water wells as defined by Connecticut regulations

C Installation of pumps only, with no drilling permitted

D Repair and maintenance only, with no new construction

ANSWER B

WHY The W1 Limited Water Well Contractor Driller license in Connecticut authorizes the holder to drill limited water wells as specifically defined under the Connecticut Department of Public Health regulations. It is a restricted license that does not cover all categories of well construction, and drilling beyond the license limitations requires a different license classification.

QUESTION 8 SINGLE CHOICE

When a water well is abandoned in Connecticut, what is the proper procedure?

A The well must be left in place with a permanent cap

B The well must be filled with native soil and a wooden plug

C The well must be properly sealed by filling with cement grout or bentonite

D The casing must be removed and the hole backfilled with gravel

ANSWER C

WHY Abandoned wells in Connecticut must be properly sealed by filling with cement grout or bentonite to prevent the well from acting as a conduit for contamination between aquifers or from the surface. Simply capping or backfilling with native material does not provide an adequate seal and is not permitted.

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QUESTION 9 SINGLE CHOICE

Which of the following is a primary consideration when siting a new water well in Connecticut?

A Proximity to overhead power lines only

B The well's location relative to potential contamination sources and groundwater flow

C The convenience of the homeowner only

D The cost of drilling only

ANSWER **B**

WHY When siting a new water well in Connecticut, the primary consideration is its location relative to potential contamination sources (septic systems, fuel storage, agricultural chemicals) and the direction of groundwater flow. Regulations establish minimum setback distances from these sources, and the well must be located upgradient from contamination sources whenever possible.

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