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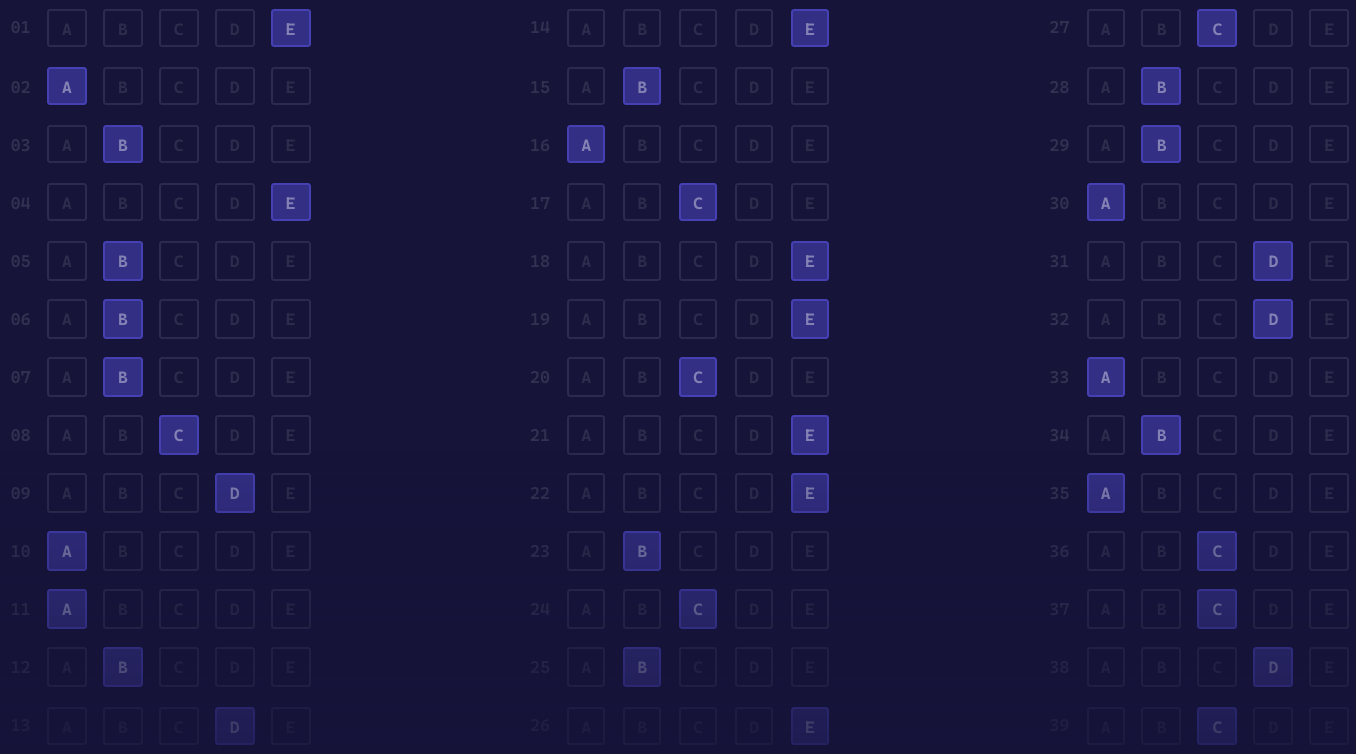

PRACTICE QUESTIONS

ABC-SD: South Dakota Department of Agriculture and Natural Resources

Z97SEPA6

South Dakota Water Distribution Class 1

EDITION	QUESTIONS	FORMAT
Demo	9	Limited Edition PDF

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Before you begin

What this is

9 practice questions for ABC-SD: South Dakota Department of Agriculture and Natural Resources `Z97SEPA6`, 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, `Z97SEPA6`
- 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 SINGLE CHOICE

A water distribution operator observes that a hydrant is leaking from the bonnet area after it has been shut down. What is the most appropriate initial action?

A **Inspect and repair or replace the leaking hydrant component according to system procedures**

B Open the hydrant fully to force the leak closed

C Ignore the leak if the hydrant continues to deliver water

D Drain the distribution main without notifying the supervisor

ANSWER **A**

WHY Hydrant leaks can indicate a damaged bonnet, packing, valve, or other component. The operator should follow the system's procedure for inspection, isolation if necessary, and repair or replacement.

QUESTION 2 MULTIPLE CHOICE

Which conditions are common reasons for performing preventive maintenance on distribution-system equipment? (Choose two.)

A **Following a documented maintenance schedule**

B Responding only after a complete equipment failure

C **Lubricating or inspecting equipment at required intervals**

D Waiting until water quality complaints occur before inspecting the system

ANSWER **A** · **C**

WHY Preventive maintenance is planned work performed on a schedule to keep equipment reliable. It includes routine inspection and lubrication or servicing at required intervals, rather than waiting for failure or complaints.

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QUESTION 3 SINGLE CHOICE

What is the primary purpose of maintaining an adequate disinfectant residual in a water distribution system?

A **To help limit bacterial regrowth and protect water quality throughout the system**

B To increase the pressure in every section of the system

C To eliminate the need for sampling

D To remove all dissolved minerals from the water

ANSWER **A**

WHY A disinfectant residual helps control microorganisms and provides ongoing protection as water travels through the distribution system. It does not replace required sampling or treatment processes.

QUESTION 4 SINGLE CHOICE

After a distribution main is repaired, what is the usual purpose of flushing the affected section before returning it to service?

A **To remove contaminants and establish acceptable water quality before service**

B To increase the pipe diameter

C To lower the system's service pressure permanently

D To eliminate the need for disinfection records

ANSWER **A**

WHY Flushing is used to clear discolored water, debris, or other material and to help restore acceptable water quality after a repair. Applicable disinfection, sampling, and recordkeeping requirements still apply.

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QUESTION 5 SINGLE CHOICE

A valve in a water distribution system is generally used to:

A **Control or isolate the flow of water in a pipe**

B Increase the chlorine concentration in the water

C Measure the amount of sediment in a reservoir

D Convert untreated water into drinking water

ANSWER **A**

WHY Valves control flow and can isolate sections of a distribution system for maintenance, repair, or emergency response. They do not themselves disinfect or treat water.

QUESTION 6 SINGLE CHOICE

A distribution system is experiencing a sudden loss of pressure. What should the operator do first according to normal operating practice?

A **Notify the appropriate supervisor and follow the system's emergency response procedure**

B Open all hydrants immediately

C Shut down the entire system without assessing the cause

D Increase the source pump speed until normal pressure returns

ANSWER **A**

WHY A sudden pressure loss requires prompt notification and assessment under the system's procedures. The operator should not take unsafe or uncontrolled actions before determining the cause and following the emergency plan.

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QUESTION 7 SINGLE CHOICE

When entering a confined space associated with a water system, the operator must:

A **Follow the permit-required confined-space entry procedure and use the required controls**

B Enter alone if the space appears to have adequate oxygen

C Smell the atmosphere to determine whether it is safe

D Use a ladder only and omit atmospheric testing

ANSWER **A**

WHY Confined-space entry requires the applicable permit and safety procedures, including hazard evaluation, atmospheric testing when required, ventilation, monitoring, and rescue planning. An operator must never rely on smell or visual appearance alone.

QUESTION 8 SINGLE CHOICE

Why are accurate operating records important in a water distribution system?

A **They document system conditions, maintenance, and compliance activities**

B They guarantee that equipment will never fail

C They replace the need for field measurements

D They are used only after a regulatory violation occurs

ANSWER **A**

WHY Records provide evidence of operating conditions, inspections, maintenance, sampling, and other compliance activities. They do not guarantee equipment reliability or replace required measurements.

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QUESTION 9 SINGLE CHOICE

What is the purpose of a cross-connection control program?

A **To prevent nonpotable water or other substances from entering the potable water system**

B To increase the amount of water stored in an elevated tank

C To reduce the need for distribution-system flushing

D To replace routine inspection of valves and hydrants

ANSWER **A**

WHY Cross-connection control prevents backflow or other reverse flow that could contaminate the potable water supply. The program typically uses hazard assessment, approved protection, testing, and recordkeeping.

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