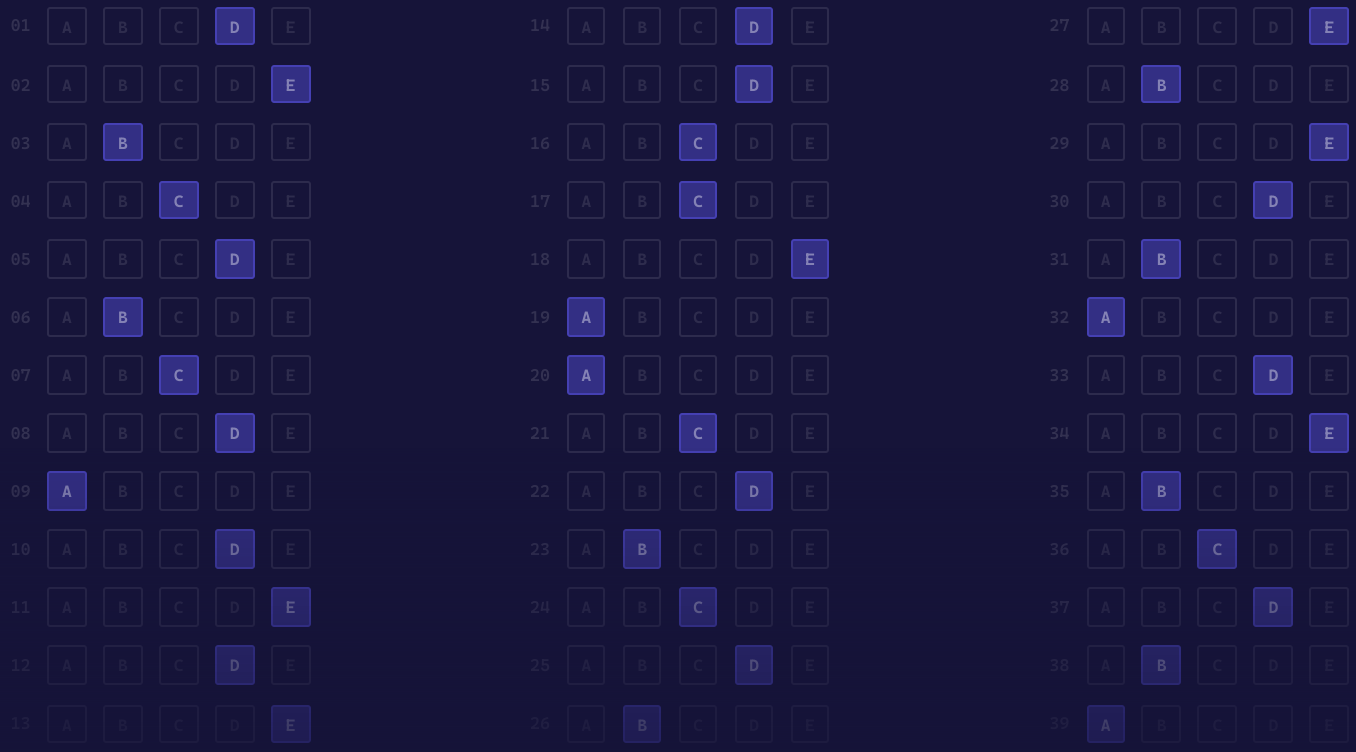
MOMETRIX
SMARTER PREP. BETTER RESULTS.



PRACTICE QUESTIONS

CONNECTICUT OCCUPATIONAL TRADES

WZ982G6Q

CT R8 Limited Conveyor Jrny

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 `WZ982G6Q`, 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, `WZ982G6Q`
- the question number
- the email address on your order

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

mometrix.net

QUESTION 1 SINGLE CHOICE

What is the primary purpose of a conveyor belt in an underground coal mine?

A To provide a walking surface for miners

B To ventilate the mine workings

C To continuously transport coal and materials

D To support the mine roof

ANSWER C

WHY The primary purpose of a conveyor belt in an underground coal mine is the continuous transportation of coal, supplies, and materials from one location to another, which is essential for efficient mine production.

QUESTION 2 SINGLE CHOICE

Which component of a belt conveyor provides the driving force to move the belt?

A Tail pulley

B Idler rollers

C Drive unit (head pulley and motor)

D Belt structure (stringers)

ANSWER C

WHY The drive unit, which consists of the head pulley and motor assembly, provides the driving force that moves the conveyor belt. The tail pulley provides tension but does not drive the belt.

mometrix.net

QUESTION 3 SINGLE CHOICE

Which of the following is a primary hazard associated with conveyor belt operation that requires guarding?

A Belt stretching during operation

B Entanglement in moving parts such as pulleys and rollers

C Excessive noise from the drive motor

D Heat buildup in the belt material

ANSWER B

WHY Entanglement in moving parts such as pulleys, rollers, and drive components is a primary hazard associated with conveyors and is why moving parts must be guarded to protect workers.

QUESTION 4 SINGLE CHOICE

Before starting a conveyor, the operator should perform which of the following actions?

A Run the belt at full speed to warm it up before inspection

B Remove all guards to allow visual inspection of internal components

C Conduct a visual and operational check of the belt, controls, and safety devices

D Lubricate the head pulley while the belt is running

ANSWER C

WHY Pre-operation inspection requires a visual and operational check of the belt condition, controls, and safety devices to verify the conveyor is safe to run. Removing guards or lubricating components while running would create serious safety hazards.

mometrix.net

QUESTION 5 SINGLE CHOICE

What is the function of a conveyor pull-cord switch?

A To adjust belt tension during operation

B To signal the belt is overloaded

C To provide an emergency stop accessible along the length of the conveyor

D To activate the take-up pulley

ANSWER C

WHY A pull-cord switch provides an accessible emergency stop along the entire length of a conveyor, allowing workers to quickly stop the belt in case of an emergency.

QUESTION 6 SINGLE CHOICE

When shutting down a conveyor at the end of a shift, the operator should first:

A Immediately cut all power at the main breaker

B Run the belt until it is completely empty of coal, then stop the belt

C Reverse the direction of the belt to clear material

D Engage the take-up pulley to increase tension

ANSWER B

WHY The proper shutdown procedure is to run the belt until all coal/material has cleared the conveyor and then stop the belt. Stopping a loaded belt can cause spillage, belt misalignment, and restart problems.

mometrix.net

QUESTION 7 SINGLE CHOICE

What is the rule regarding riding on a conveyor belt in an underground mine?

A Riding is allowed only during shift changes

B Riding is permitted if the belt is running slowly

C Riding on a conveyor belt is prohibited

D Riding is allowed only by foremen and supervisors

ANSWER C

WHY Riding on a conveyor belt is strictly prohibited in underground mines due to the severe entanglement and crushing hazards involved.

QUESTION 8 MULTIPLE CHOICE

Which of the following can cause a conveyor belt to slip on the drive pulley? (Choose two.)

A Insufficient belt tension

B Wet or muddy conditions on the pulley

C Excessive idler roller spacing

D Overloaded belt combined with inadequate take-up tension

ANSWER A · D

WHY Belt slippage on the drive pulley is commonly caused by insufficient belt tension (the take-up system is not keeping the belt tight enough) and by overloading the belt combined with inadequate take-up tension. Wet conditions mainly affect traction but the primary mechanical causes are tension-related.

mometrix.net

QUESTION 9 MULTIPLE CHOICE

Which conditions require that a conveyor be stopped immediately and reported? (Choose two.)

A Belt running with a slight, steady squeak

B Visible smoke or signs of overheating on the belt or drive

C Material spillage at a transfer point that can be reached safely

D A belt that is running off-center and beginning to rub the structure

ANSWER **B** · **D**

WHY Visible smoke or overheating is a serious fire hazard and requires immediate shutdown and reporting. A belt running off-center and rubbing the structure can cause friction, heat buildup, and fire, so the conveyor must be stopped. Minor squeaks and correctable spillage are maintenance issues but do not always require immediate emergency shutdown.

mometrix.net