

01	☐ A	☐ B	☐ C	☐ D	☐ E
02	☐ A	☐ B	☐ C	☒ D	☐ E
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31	☒ A	☐ B	☐ C	☐ D	☐ E
32	☐ A	☐ B	☒ C	☐ D	☐ E
33	☐ A	☐ B	☐ C	☒ D	☐ E
34	☐ A	☒ B	☐ C	☐ D	☐ E
35	☐ A	☒ B	☐ C	☐ D	☐ E
36	☐ A	☐ B	☐ C	☐ D	☒ E
37	☐ A	☐ B	☒ C	☐ D	☐ E
38	☐ A	☐ B	☐ C	☐ D	☒ E
39	☒ A	☐ B	☐ C	☐ D	☐ E

PRACTICE QUESTIONS

Technical Standards and Safety Authority (TSSA)

EDM—C

Elevating Device Mechanic Class C

EDITION

Demo

QUESTIONS

9

FORMAT

Limited Edition PDF

Before you begin

What this is

9 practice questions for Technical Standards and Safety Authority (TSSA) EDM-C , 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, EDM-C
- the question number
- the email address on your order

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

QUESTION 1

SINGLE CHOICE

Under Ontario Regulation 209/01 (Elevating Devices), a Class C elevating device mechanic certificate authorizes a person to do which of the following?

- ☐ A Work on any elevating device, including passenger elevators and escalators, without further restriction
- ☒ B Work only on elevating devices of the class for which the certificate is issued and as permitted by the Act
- ☐ C Perform full design, engineering, and stamping of new elevating device installations
- ☐ D Replace a Director's order without inspection or testing

ANSWER B

WHY The Ontario Elevating Devices Act and O. Reg. 209/01 restrict certificate holders to the class of elevating device and the type of work (construction, maintenance, repair, alteration, inspection) authorized by that class. Class C is a specific scope, not a universal license, so option B is correct. Option A overstates the scope, C is reserved for professional engineers, and D contradicts the regulatory role of the Director.

QUESTION 2

SINGLE CHOICE

When performing a governor-operated car safety test on a traction elevator, the mechanic's primary purpose is to verify that:

- ☐ A The car travels at the rated contract speed under normal operation
- ☒ B The car safety (or braking mechanism) engages and decelerates the car within the limits specified in the applicable code when triggered at the governor's tripping speed
- ☐ C The door restrictor reliably prevents door opening while the car is moving
- ☐ D The buffer fully compresses on every normal run

ANSWER B

WHY A governor-operated car safety test confirms that when the governor trips at its set overspeed threshold, the car safety engages and brings the car to a controlled stop within code limits. Rated speed (A) is a normal-operation parameter, door restrictor behavior (C) is unrelated, and full buffer compression (D) is abnormal, not a test objective.

QUESTION 3

SINGLE CHOICE

Before a mechanic enters the hoistway pit to work on a hydraulic elevator, which of the following sequences best reflects accepted hoistway/pit safety practice?

- ☐ **A** Open the pit switch, place the car at the bottom landing, then enter the pit
- ☒ **B** Verify car access, stop the car with normal means, open the pit switch, then enter the pit and confirm emergency stop/lowering means are available
- ☐ **C** Enter the pit first, then position the car, and open the pit switch from inside
- ☐ **D** Work from the pit without isolating power because the car cannot descend onto the mechanic

ANSWER B

WHY Pit work requires the car to be safely positioned and immobilized, the pit (and often machine) disconnect to be opened/locked, and a means of egress/emergency control to be available to the mechanic in the pit. Option B reflects the standard safe-entry sequence. Option A is incomplete, C inverts the safe order, and D disregards the requirement to isolate and lock out power.

QUESTION 4

MULTIPLE CHOICE

Under the Ontario Elevating Devices Act, which two of the following statements about the Director appointed under the Act are correct? (Choose two.)

- ☒ **A** The Director may issue orders requiring an owner to remedy non-compliance with the Act or regulations
- ☐ **B** The Director personally carries out all maintenance, repair, and inspection work on elevating devices
- ☒ **C** The Director may require an owner to submit an engineering report related to the safety of an elevating device
- ☐ **D** The Director's orders can be enforced without any review or appeal process

ANSWER **A - C**

WHY The Director under the Act has authority to issue compliance orders and to require evidence such as engineering reports from owners regarding device safety (A and C). The Director does not personally perform device work (B), and orders are subject to the appeal mechanisms provided in the Act (D is incorrect).

QUESTION 5

SINGLE CHOICE

After completing a repair or alteration to an elevating device that falls under regulated work, the mechanic is responsible for ensuring that:

- ☐ A The device is returned to service immediately so the building can resume operation, with no further inspection required
- ☒ B Acceptance/verification testing is performed and the required documentation (such as a notice of completion or alteration report) is submitted as required by the Act and regulations
- ☐ C The mechanic may self-approve even major structural alterations without any filing
- ☐ D Only a verbal report to the building owner is sufficient

ANSWER B

WHY Regulated work on an elevating device typically requires acceptance testing after the work and submission of the appropriate documentation to TSSA (e.g., notice of completion/alteration). Option B captures this. Returning the device to service with no further inspection (A), self-approval of major alterations (C), or relying on a verbal report alone (D) do not meet the regulatory requirements.

QUESTION 6

SINGLE CHOICE

A Class C mechanic inspects a hydraulic elevator and finds that the relief valve setting has been adjusted above the value specified on the nameplate/data plate. The most appropriate action is to:

- ☐ A Leave the adjustment in place because the building wants faster car speeds
- ☒ B Reset the relief valve to the manufacturer's specified value, verify related components, document the finding, and report as required
- ☐ C Replace the entire hydraulic power unit without further investigation
- ☐ D Increase the working pressure to compensate for the relief setting

ANSWER B

WHY The system relief valve must operate within the manufacturer's specified settings to protect the hydraulic system from overpressure. The mechanic should restore the correct setting, verify affected components, document the deficiency and corrective action, and complete any required notifications. Options A and D are unsafe, and C is an unjustified escalation that ignores the actual root cause.

QUESTION 7

SINGLE CHOICE

An elevating device must be level at the landings primarily to ensure:

- ☐ A Maximum travel speed can be achieved
- ☒ B Safe and easy ingress/egress for users, particularly those using mobility aids, and to prevent trips and falls at the threshold
- ☐ C Reduced wear on the motor windings only
- ☐ D Compliance with decorative interior standards

ANSWER B

WHY Stopping accuracy/leveling at landings exists so that the car floor and landing floor align within code tolerances, providing safe entry and exit and minimizing trip hazards. While level accuracy has side benefits, the primary safety driver is passenger accessibility and fall prevention, which matches option B.

QUESTION 8

SINGLE CHOICE

When a passenger is trapped in an elevating device and a trained elevator mechanic is performing an emergency evacuation, the correct practice is to:

- ☐ A Use any convenient method to move the car directly to the nearest landing without notifying anyone
- ☒ B Follow established emergency evacuation procedures, communicate with trapped passengers, use the building's emergency operations, and bring the car to the nearest landing under controlled movement before opening doors
- ☐ C Have passengers attempt to self-evacuate through the top emergency exit immediately
- ☐ D Disable all two-way communication to avoid confusion

ANSWER B

WHY Emergency evacuation of trapped passengers requires following the building owner's and the mechanic's established procedures, maintaining communication with passengers, and moving the car under controlled conditions before opening hoistway/landing doors. Options A and D ignore communication and control, and C is unsafe self-evacuation.

QUESTION 9

MULTIPLE CHOICE

Which two of the following statements about working on top of an elevator car are correct? (Choose two.)

- ☒ **A** The car-top stop switch must be in the 'stop' (open) position whenever a mechanic is on top of the car and not actively using inspection operation
- ☐ **B** It is acceptable to ride the car on top without the inspection switch in 'inspection' position, as long as the mechanic holds on
- ☒ **C** The inspection (enable) switch places the car in a limited-speed inspection mode intended for maintenance work
- ☐ **D** The car-top stop switch is only decorative and does not need to be used

ANSWER **A - C**

WHY When a mechanic is on the car top and not performing inspection movement, the car-top stop switch must be open to prevent unexpected motion (A). The inspection/enable switch places the controller in a reduced-speed, interlock-bypassed mode appropriate for maintenance (C). Riding on top in normal mode (B) and treating the stop switch as decorative (D) are both unsafe and contrary to accepted practice and the codes.