

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

In an electromechanical lift system, what is the primary function of the governor?

A

To open and close the doors

B

To indicate the floor number

C

To activate the safety brake in case of overspeeding

Correct

D

To control the lift's interior lighting

Correct Answer: C

Full Detailed Explanation

Concept & Reasoning A traction lift has several separate control and safety subsystems. The drive controller regulates normal motion, door operators manage doors, and indicators show floor status. The governor is specifically part of the overspeed protection chain: it detects excessive speed mechanically/electrically and initiates safety-gear action independent of normal control. **How to Solve It in the Exam** Governor = speed safety, not normal speed command. **Important Exam Point** In lift questions, separate normal controller functions from fail-safe mechanical protection. **Related Revision Path** This question sits in the revision path Building Electrical Services → Vertical Transportation → Elevators .

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