

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

What is the typical angle of inclination for a commercial escalator as per general safety standards?

A

15 degrees

B

30 degrees

Correct

C

45 degrees

D

60 degrees

Correct Answer: B

Full Detailed Explanation

Concept & Reasoning Escalator geometry is standardized around safe tread orientation and passenger stability. Steeper arrangements can reduce plan length but are less comfortable and may fall outside common public-use design practice. The 30° value is the standard exam answer among the choices. How to Solve It in the Exam Escalator – remember 30°. Important Exam Point Do not confuse escalator slope with stair or moving-walkway limits. Related Revision Path This question sits in the revision path Building Electrical Services → Vertical Transportation Escalators.

Open live question on website:

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