

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

The 'cone of protection' method, specified in lightning protection standards, is used to determine the area protected by a

A

Surge protector

B

Lightning rod (air terminal)

Correct

C

Grounding wire

D

Fuse

Correct Answer: B

Full Detailed Explanation

Concept & Reasoning Lightning protection systems use air terminals to intercept strikes, down conductors to carry current and an earth-termination system to dissipate it. The

protective-angle/cone concept is a geometrical method for positioning air terminals. Surge protective devices serve a different purpose: limiting transient overvoltage on electrical circuits. How to Solve It in the Exam Cone/protective angle lightning rod coverage. Important Exam Point Do not confuse external lightning interception with internal surge protection. Related Revision Path This question sits in the revision path Building Electrical Services Lightning Protection Protection Zones .

Open live question on website:

<https://sarkariresultout.com/pyq/question/gpsc-ae-electrical-q284-cone-of-protection-method/>