

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

Which type of pump is most commonly used for boosting water pressure in the water supply systems of tall buildings?

A

Reciprocating pump

B

Submersible pump

C

Centrifugal pump

Correct

D

Diaphragm pump

Correct Answer: C

Full Detailed Explanation

Concept & Reasoning Tall buildings require adequate pressure at upper floors despite static elevation and piping losses. Booster sets commonly use multiple centrifugal/multistage pumps, pressure sensors, VFDs and staged operation to maintain system pressure efficiently. How to Solve It in the Exam Building pressure booster – centrifugal/multistage centrifugal pump. Important Exam Point Submersible pumps are common for wells/sumps; booster duty is different. Related Revision Path This question sits in the revision path Building Electrical Services – Water Supply Systems – Pumps .

Open live question on website:

<https://sarkariresultout.com/pyq/question/gpsc-ae-electrical-q294-centrifugal-booster-pump/>