

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

Which of the following represents the annual average load?

A

 $(\text{kWh supplied in a day}) / 24$

B

 $\{(\text{kWh supplied in a day}) / 24\} \times 365$

C

 $\{(\text{kWh supplied in a month}) / (30 \times 24)\}$

D

 $(\text{kWh supplied in a year}) / (24 \times 365)$

Correct

Correct Answer: D

Full Detailed Explanation

Concept & Reasoning Load is power, whereas kWh is energy. Dividing yearly energy by 8760 hours converts the area under the annual load curve into an equivalent constant average power.

The same principle applies to daily or monthly average load using the corresponding number of hours. How to Solve It in the Exam Energy $\times$ time = average power. Important Exam Point Match energy period with the same time period in the denominator. Related Revision Path This question sits in the revision path Power Plant Engineering Load Curves and Tariffs Average Load .

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