

Easy

Assistant Engineer (Electrical), Class 2025

Building Department

28C

12 mF

- A

3.33 k
- B

2.33 k

Correct
- C

3.33 M
- D

2.33 M

Correct Answer: B

Full Detailed Explanation

Given: $C = 12\text{ mF} = 0.012\text{ F}$, $V = 28\text{ V}$

Formula: $Q = CV$

Calculation: $Q = 0.012 \times 28 = 0.336\text{ C}$

Options: A. 3.33 k, B. 2.33 k, C. 3.33 M, D. 2.33 M

Correct Answer: B