

Easy

Assistant Engineer (Electrical), Class II, 2025

Building Department

28C

12 mF

- A

3.33 k
- B

2.33 k

Correct
- C

3.33
- D

2.33

Correct Answer: B

Full Detailed Explanation

Given: $C = 12 \text{ mF}$
Find: V
Solution:
 $Q = CV$
 $V = \frac{Q}{C}$
 $V = \frac{28}{0.012} = 2333.3 \text{ V}$
 $V = 2.33 \text{ kV}$