

Hard

Assistant Engineer (Electrical), Class-2 2025

Building Department

400-V, 1000-A, 10
, 860

- A

3010

Correct
- B

4300
- C

2400
- D

2800

Correct Answer: A

Full Detailed Explanation

$$Z I_a / (2AP)$$

$$= \frac{0.7 \times 860 \times 1000}{2 \times 10 \times 10} = 4300 \text{ AT/}$$

$$= 0.7 \times 4300 = 3010 \text{ AT/}$$

$$Z=860, I_a=1000 \text{ A, A=P=10}$$