

Hard

Assistant Engineer (Electrical), Class-2 2025

Building Department

Z- , Z

- A

15
- B

10
- C

5

Correct
- D

1

Correct Answer: C

Full Detailed Explanation

Z- , Z

$$V_1 = Z_{11} I_1 + Z_{12} I_2 \quad V_2 = Z_{21} I_1 + Z_{22} I_2$$

10 , I1 = 0 ,

$$10 = Z_{11} I_1 + Z_{12} I_2 \quad 0 = Z_{21} I_1 + Z_{22} I_2$$

5

$$10 = Z_{11} I_1 + Z_{12} I_2 \quad 0 = Z_{21} I_1 + Z_{22} I_2$$

-1

$$V_1 / I_2 = 5$$