

Medium Deputy Executive Engineer (Electricity) 2026 Gujarat Public Service Commission / Assistant Engineer (Electrical)

$Z_{11} = 20$
 $Z_{22} = 10$, $Z_{12} = Z_{21} = 5$
1.

- A
2
3
- B
1
4
- C
1, 2
3
Correct
- D

Correct Answer: C

Full Detailed Explanation

: - 1, 2 3
Z- -

$Z_{12} = Z_{21}$;
 $Z_{11} = Z_{22}$
: $V_1 = Z_{11}I_1 + Z_{12}I_2$; $V_2 = Z_{21}I_1 + Z_{22}I_2$.
: $Z_{12} = Z_{21}$. : $Z_{11} = Z_{22}$.
:
1 -
. $V_1 = Z_{11}I_1 + Z_{12}I_2$; $V_2 = Z_{21}I_1 + Z_{22}I_2$. 2 -