

Medium

Deputy Executive Engineer (Electricity) 2026

Ports Authority of Gujarat / Assistant Engineer (Electrical)

Two parallel transmission lines are connected in series. The first line has a length of 100 km and a resistance of 1 ohm per km. The second line has a length of 200 km and a resistance of 2 ohms per km. The total resistance of the series combination is:

- A

1

2
- B

2

3
- C

1

Correct
- D

1, 2

3

Correct Answer: C

Full Detailed Explanation

: - 1

100 kW