

Hard

Assistant Engineer (Electrical), Class 2025

Building Department

A 440 V, 50 Hz AC source supplies a series LCR circuit with a capacitor and a coil. If the coil has 100 m resistance and 15 mH inductance, then at a resonance frequency

A

50.53 Hz, 49.57 Hz

Correct

B

52.12 Hz, 49.8 Hz

C

55.02 Hz, 48.95 Hz

D

50 Hz, 49 Hz

Correct Answer: A

Full Detailed Explanation

Open the live question URL below to read the full explanation, related links and practice flow.

Open live question on website:

<https://sarkariresultout.com/pyq/hi/question/gpsc-ae-electrical-q181-half-power-frequencies-of-series-rlc/>