

Medium

DGVCL Vidyut Sahayak JE (Electrician) 2024

A person travels one-fourth of the total distance at 10 km/h, one-fourth at 20 km/h, one-fourth at 30 km/h, and the remaining one-fourth at 40 km/h. Find the average speed.

- A

25
- B

19.2

Correct
- C

18.4
- D

24

Correct Answer: B

Full Detailed Explanation

$$\frac{1}{\frac{1}{10} + \frac{1}{20} + \frac{1}{30} + \frac{1}{40}} = 4 / \left(\frac{1}{10} + \frac{1}{20} + \frac{1}{30} + \frac{1}{40} \right) = 19.2$$

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