

Medium

DGVCL Vidyut Sahayak JE (Electric) 2024

A and B start cycling on a circular race track of length 3200 m from the same point, at the same time, in the same direction. Their speeds are 33 km/h and 42 km/h

A

21 minutes 40 seconds

B

21 minutes 10 seconds

C

21 minutes 20 seconds

Correct

D

21 minutes 30 seconds

Correct Answer: C

Full Detailed Explanation

Relative speed = $42 - 33 = 9$ km/h. Track length = 3.2 km. Time = $3.2/9$ hour = 21 minutes 20 seconds.

Open live question on website:

<https://sarkariresultout.com/pyq/question/a-and-b-start-cycling-on-a-circular-race-track-of-length-3200-m/>