

**15** What is the linear speed of a point on the Earth's equator as a result of the Earth's rotation about its axis? (radius of the Earth =  $6.38 \times 10^6$ m)

- A**  $2.16 \times 10^{-3}$  ms<sup>-1</sup>
- B**  $4.31 \times 10^{-3}$  ms<sup>-1</sup>
- C** 232 ms<sup>-1</sup>
- D** 464 ms<sup>-1</sup>