

QUES 4

A particle is moving eastwards with a velocity of 5 m/s. In 10s the velocity changes to 5 m/s northwards. The average acceleration in this time is/are [1982 - 3 Marks]

- (a) zero
- (b) $1/\sqrt{2}$ m/s² towards north-west
- (c) $1/\sqrt{2}$ m/s² towards north-east
- (d) $\frac{1}{2}$ m/s² towards north-west
- (e) $\frac{1}{2}$ m/s² towards north

