


Choose the correct answer from those given :

- (1) If a ball is projected vertically upwards to reach a height of 3 metres and return back to the point of projection, then the magnitude of its displacement equals
- (a) 3 metres. (b) 6 metres. (c) zero. (d) 9 metres.
- (2) When a body moves, then the magnitude of the displacement the covered distance.
- (a) $>$ (b) \geq (c) $<$ (d) \leq
- (3) If a body moved in a straight line 9 metres towards East, then it returned back 3 metres towards West, then its displacement =
- (a) 12 m East. (b) 12 m West. (c) 6 m East. (d) 6 m West.
- (4) A body moved a distance 48 metres towards East, then it changed its direction to move 20 metres towards North, then the displacement =
- (a) 68 m. in direction of North of the East.
(b) 52 m. in direction of North of the East.
(c) 68 m. in direction $22^{\circ} 37' 12''$ North of East.
(d) 52 m. in direction $67^{\circ} 22' 48''$ East of North.
- (5)  A cyclist covered 6 km. towards West, then he moved afterwards 8 km. in the direction 60° South of the West, then the magnitude of the displacement that the cyclist moved = km.
- (a) 14 (b) $2\sqrt{37}$ (c) $7\sqrt{3}$ (d) 12.1