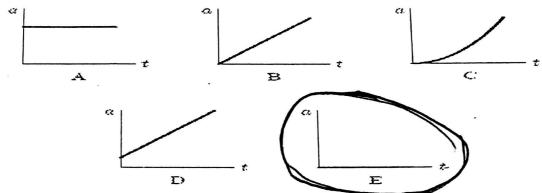
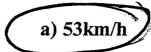


Q1. A car starts from rest and reaches a speed of 80km/h in 16s. The average aecceleration of

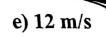
the car is:

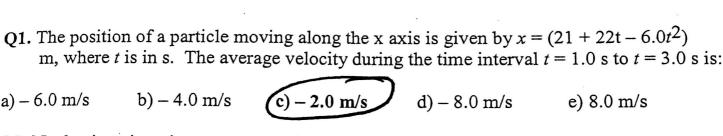


Q2. A car travels 40 kilometers at an average speed of 80km/h and then travels 40 kilometers at an average speed of 40km/h. The average speed of the car for this 80-km trip is:



- b) 45km/h
- c) 48km/h
- d) 40km/h
- e) 80km/h
- Q3. An automobile moving along a straight track changes its velocity uniformly from 40 m/s to 80 m/s in a distance of 200 m. The (constant) acceleration of the vehicle during this time is:
 - a) 8.0 m/s
- b) 9.6 m/s
- c) 0.20 m/s
- d) 6.9 m/s





- Q2. Neglecting air resistance, a stone is thrown vertically upward from the ground with an initial speed of 35 m/s. The maximum hight will be reached by the stone is:
- a) 98 m
- b) 41 m
- c) 18 m
- d) 160 m
- e) 62.5 m
- Q3. A bullet is fired through a board, 0.14 m thick, with its line of motion perpendicular to the face of the board. If it enters with a speed of 450 m/s and emerges with a speed of 220 m/s, the bullet's acceleration as it passes through the board is:
- a) -500 km/s^2 (b) -550 km/s^2 (c) -360 km/s^2 (d) -520 km/s^2 (e) -275 km/s^2

Q1	A box is moved a distance of 10 m in 5 sec with a constant acceleration, and reached to a					
	velocity of 3m/s. a) -1m/s, 0.2m/s ²	The initial velocity b) 4m/s, 2m/s ²	y and	d acceleration of 1 m/s, 0.4m/s ²	the box are: d) 3m/s,1m/s ²	e) 0m/s , 1m/s ²

A bicycle slowed down to rest from a velocity of 4m/sec while traveling a 10 m distance. The acceleration of the bicycle is:
a) -1m/s² b) -0.8m/s² c) -0.6m/s² d) -0.4m/s² Q2

to the second se							
Q1. The velocity & acceleration of an object are vectors. T	he object can possibly have						
a) a zero acceleration and a non-zero velocity b) a ne	egative acceleration and a non-zero						
velocity. c) a positive acceleration and a non-zero ve	elocity. d) zero acceleration & zero						
velocity (e) All of them							
Q2. A person applies brake to stop his car. As he brakes down, the velocity of his car							
decreases at a constant rate (5.0 m/s ²). If his initial vel	locity is 20 m/s, the car's stopping						
distance is:							
a) 22.55 m/s b) 90 m/s c) 40 m/s	d) 35 m/s e) 15 m/s						

Q3. A ball is thrown vertically upward with an initial speed of 18.0 m/s. it takes to reach its maximum height

a) 0.85 s

b) 2.23 s

c) 4.52 s d) 3.12 s e) 1.84 s