Kinematics

Sr	Questions	Answers Choice
1	Slope of distance-time graph is.	A. Speed B. Velocity C. Acceleration D. Displacement
2	Area under speed-time graphi is equal to.....of moving body	A. Acceleration B. Distance C. Change in velocity D. Uniform velocity
3	Ball dropped freely from a towar reaches ground in 4 s, the speed of impact of ball is.	A. 2.45 m/s B. 39. 2 m/s C. 0 m/s D. 19. 6 m/s
4	A car is moving with velocity of 10 m/s . If it has acceleration of 2 m/s2 for 10 seconds. What is final vlocity of the car.	A. 20 m/s B. 10 m/s C. 30 m/s D. 15 m/s
5	If a cyclist has acceleration of 2 m/s2 for 5 seconds, the change in velocity of they cyclist is.	A. 15 m/s B. 10 m/s C. 2 m/s D. 20 m/s
6	A rider is trainign a hours. Hore move 60 meters towrds right in 3 seconds. Then it turns back and travels 30 meters in 2 secons. Find its average velocity.	A. 18 m/s B. 6 m/s C. 0 m/s D. 35 m/s
7	In 5 s a car accelerates so that its velocity increases by 20 m/s. The acceleration is	A. 0.25 m/s2 B. 4 m/s2 C. 100 m/s2 D. 25 m/s2
8	A ball is throuwn straight up, what is the magnitude of acceleration at the top of its path.	A. 9.8 m/s2 B. zero C. 19.6 m/s2 D. 4.9 m/s2
9	A cyclist is travelling in a westward rierction and produces a deceleration of 8 m/s2 to stop	A. West B. North C. East D. South
10	Motion of a screw of rotating fan is	A. Circular Motion B. Vibratory motion C. Rotatory motion D. Random Motion
11	When the slope of a body's displacemnt time graph increase the body is moving with	A. Constant velocity B. Increasign velocity C. Decreasing velocity D. All of these
12	A girl walks 3 km towards west and 4 km towards south. What is the magnitude of her total disance and displacement respectively.	A. 7 km, 5 km B. 7 km, 7 km C. 1 km, 7 km D. 7 km, 1 km