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Q.1:	m/s^2 is the SI unit of -		MOTION						
		(a) distance							
		(b) displacement							
		(c) velocity							
		(d) acceleration.							
Q.2:	.2: A car goes from a town A to another town B with a speed of 40 km/h and returns back to the tow with a speed of 60 km/h. The average speed of the car during the complete journey is -								
		(a) 48 km/h							
		(b) 50 km/h							
		(c) zero							
		(d) none of these.							
Q.3:	The rate of change of displacement with time is called -								
		(a) speed	(b) velocity						
		(c) acceleration	(d) retardation						
Q.4:	The initial velocity of a body is u . It is under uniform acceleration a . Its velocity v at any time t is given by								
		(a) $v = u + at^2$	(b) $v = u + \frac{1}{2} at^2$						
		(c) v = u + at	(d) $v = u$.						
Q.5:	The distance covered in time <i>t</i> by a body having initial velocity <i>u</i> and having a uniform acceler <i>a</i> is given by $s = ut + \frac{1}{2} at^2$. This result follows from -								
	(a) Newton's first law		(b) Newton's second law						
	(c) Newton's	third law	(d) None of these.						
Q.6:	2.6: A ball is thrown vertically upwards. It rises to a height of 50 m and comes back to the								
	(a) the total distance covered by the ball is zero.								
	(b) the net displacement of the ball is zero.								
	(c) the displacement is 100 m.								
		(d) none of these.							
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Q.7:	In 12 minutes a car v	whose speed is 35 km/h	a dis	tance of					
		(a) 7 km	(b) 3.5	5 km					
		(c) 14 km	(d) 28	km					
Q.8:	When a graph of one	ne quantity versus another results in a straight line, the quantities are -							
		(a) both constant		(b)	equal				
		(c) directly proportio	nal	(d)	inversely proportional				
Q.9:	A body moving alon seconds its speed wi	along a straight line at 20 m/s undergoes an acceleration of -4 m/s ² . After two d will be -							
		(a) -8 m/s	(b) 12	m/s					
		(c) 16 m/s	(d) 28	(d) 28 m/s.					
Q.10:	Q.10: A car increases its speed from 20 km/h to 30 km/h in 10 seconds. Its acceleration is								
		(a) 30 m/s^2	(b) 3 m/s^2						
		(c) 18 m/s^2	(d) 0.8	83 m/	s ²				
Q.11: A body whose speed is constant									
		(a) must be accelerated							
		(b) might be accelerated							
		(c) has a constant velocity							
		(d) can not be accelerated.							
Q.12:	: When the distance that an object travels is directly proportional to the length of time it is said to travel with								
		(a) zero velocity		(b)	constant speed				
		(c) constant acceleration	tion	(d)	uniform velocity				
Q.13:	Q.13: a particle moves with uniform positive acceleration. Its velocity-time graph will be								
	(a) a straight line parallel to the time axis								
		(b) a straight line inclined at an obtuse angle to the time axis							
	(c) a straight line inclined at an acute angle to the time axis								
		(d) none of these.							

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Q.14: The slope of speed-time graph gives								
	(a) speed	(b) velocity						
	(c) acceleration	(d) momentum						
Q.15: A particle experiences constant acceleration for 20 seconds after starting from rest. If it travels a distance s_1 in the first 10 seconds and distance s_2 in the next 10 seconds then,								
	(a) $s_2 = s_1$	(b) $s_2 = 2s_1$	1					
	(c) $s_2 = 3s_1$	(d) $s_2 = 4s$	1					
Q.16: In which of the following cases the object does not possess an acceleration or retardation when it moves in								
	(a) upward direction with decreasing speed							
	(b) downwa	rd direction with incr	reasing speed					
	(c) with con	stant speed along circ	cular path					
	(d) with con	nstant speed along hor	rizontal path					
Q.17: A person travels distance πR along the circumference of a circle of radius R. Displacement of the person is								
	(a) R	(b) 2R						
	(c) 2πR	(d) zero						
Q.18: The velocity of an object is directly proportional to the time elapsed. The object has								
	(a) uniform	speed						
	(b) uniform velocity							
	(c) uniform acceleration							
	(d) variable	acceleration						
Ans:								
	1 - d. 2 - a. 3 - b. 4	- c. 5 - d. 6 - b. 7 - a.	8 - c. 9 - b. 10 - d.					
11 - b. 12 - b 13 - c. 14 - c. 15 - c. 16 - d. 17 - b. 18 - c.								

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