

## Physics 9th Class English Medium Unit 4 Online Test

Sr	Questions	Answers Choice
1	A satellite of mass 'm' is revolving around the earth with an orbital speed 'v'. If mass of the satellite is doubled, its orbital speed will become.	A. Double B. Half C. One fourth D. Remain the same
2	A car drives at steady speed around a perfectly circular track	A. The car's acceleration is zero B. The net force on the car is zero C. Both the acceleration and net force on the car point inward D. Both the acceleration and net force on the car point outward
3	The reason that a car moving on a horizontal road gets thrown out of the road while taking a turn is.	A. The reaction of ground B. Rolling friction between tyre and road C. Lack of sufficient centripetal force D. Gravitational force
4	The force that always changes direction of velocity and not its magnitude is called.	A. Electrical force B. Centripetal force C. Gravitational force D. Friction
5	The correct order of comparison for the terminal speeds of a raindrop, snowflake, and hailstone is.	A. Raindrop = Snowflake = Hailstone B. Raindrop > Snowflake > Hailstone C. Hailstone > Raindrop > Snowflake D. Snowflake > Raindrop > Hailstone
6	For an object moving with terminal velocity, its acceleration.	A. First increases then decreases B. Is zero C. Increases with time D. Decreases with time
7	It is more difficult to walk on a slippery surface than on a non-slippery one because of	A. Lower weight B. Increased friction C. Reduced friction D. High grip
8	You throw a net, it opens fully underwater, spreading out its mesh evenly. Compared to the moment it left your hand, where is the net's center of mass now.	A. Unchanged from its position when thrown B. At the same depth but slightly shifted horizontally C. Higher in the water column D. Lower in the water column
9	A tightrope walker is carrying a long pole while walking across a rope. The stability of the walker is affected if the pole is	A. Short and placed horizontally B. Long and placed horizontally C. Short and placed vertically D. Long and placed vertically
10	A uniformly rotating fan is said to be in	A. Static equilibrium only B. Dynamic equilibrium only C. Both in static and dynamic equilibrium D. Not in equilibrium
11	A body in equilibrium must not have	A. Speed B. Velocity C. Acceleration D. Quantity of motion
12	You are trying to loosen a nut using a spanner, but it is not working. In order to open the nut, you need to.	A. Use plastic and soft spanner B. Use a spanner of small length C. Insert a pipe to increase length of spanner D. Tie a rope with spanner