

Physics
Quiz # 1

Date Given: April 8, 2022
Date Due: April 14, 2022

- Q1.** The statement that the acceleration of a particle is proportional to the resultant force acting on it and is in the direction of this force is:
- (a) Newton's Second Law.
 - (b) Galileo's Law.
 - (c) Newton's First Law.
 - (d) Newton's Third Law.
- Q2.** The mass of a body is:
- (a) Equivalent to its weight.
 - (b) Inversely proportional to the resistance of the body to a change in its motion.
 - (c) A quantitative measure of the inertia of the body.
 - (d) Dependent upon how far the body is from the center of the Earth.
- Q3.** Force is a:
- (a) Scalar.
 - (b) Vector.
- Q4.** Mass is a:
- (a) Vector.
 - (b) Scalar.
- Q5.** A rigid body is an object:
- (a) For which the dimensions are irrelevant to the description of its motion or the action of forces upon it.
 - (b) Whose changes in shape are negligible compared with the overall dimensions of the body or with the changes in position of the body as a whole.
 - (c) Whose dimensions are negligible.
 - (d) That is always at rest.