

Class	Subject	Chapter	Date	Total . M	Instructor
First Year	Physics	3	26-01-2019	50	Sir faryad sb

Objective Type

Q#1: Choose the correct option.

1×12=12

- The range of projectile is same for the angle of projection
 a) $(30^\circ, 45^\circ)$ b) $(50^\circ, 30^\circ)$ c) $(20^\circ, 60^\circ)$ d) $(30^\circ, 60^\circ)$
- Motorcycle's safety helmet prevents the rider from injury by
 a) Decreasing acceleration c) extending time of collision
 b) reducing momentum d) applying friction
- Distance covered by a freely falling body in 2 sec will be
 a. 4.9m b. 19.6m c. 39.2m d. 44.1m
- Inertia of a body is measured in terms of its
 a. mass b. weight c. force d. velocity
- flight of a rocket in the space is an example of
 a. 2nd law of motion b. 3rd law of motion c. 1st law of motion d. law of inertia
- Change of momentum is called
 a. Force b. pressure c. tension d. impulse
- Dimensions for the impulse $I=\Delta P$ are given by
 a. $[ML^2T^{-1}]$ b. $[ML^2T]$ c. $[ML^2T^{-2}]$ d. $[MLT^{-1}]$
- The force due to water flow is
 a. $F=mv$ b. $F=m v/t$ c. $F=m/t$ d. $F=vt/m$
- A body is thrown vertically upward with initial velocity 9.8 ms^{-1} . It will reach the height
 a. 19.8m b. 29.4m c. 9.8m d. 4.9m
- The path followed by the projectile is known as its
 a. Range b. maximum range c. trajectory d. cycle
- The maximum range of projectile is
 a. $R_{\max}=v_i^2/g$ b. $R_{\max}=2V/g$ c. $R_{\max}=V_i/g$ d. $2v_i^2/g$
- Dimensions of impulse are similar to the dimensions of
 a. Work b. torque c. force d. momentum

Subjective Type

Q # 2:- Attempt any 14 questions from following:

(2×14=28)

