

Physics ICS Part 1 Chapter 3 Online Test

Sr	Questions	Answers Choice
1	Horizontal range is maximum when the angle of projectile is.	A. 0° B. 30° C. 45° D. 60°
2	The velocity of a projectile is maximum	A. At the highest point B. At point of launching and just before striking the ground C. At half of the height D. After striking the ground
3	When the projectile reaches the highest point of trajectory, the vertical component of velocity becomes.	A. Small B. Zero C. Maximum D. $V_i \cos$
4	Motion of projective is	A. One dimensional B. Two dimensional C. Three dimensional D. Four dimensional
5	For a rocket , the change in momentum per second of the ejecting gases is equal.	A. Acceleration of the rocket B. Momentum of rocket C. Velocity of rocket D. Thrust acting on rocket
6	A typical rocket consumes fuel about	A. 40000 Kgs-1 B. 30000 Kgs-1 C. 20000 Kg s-1 D. 10000 Kgs-1
7	Before the launch of a rocket the mass of fuel of the rocket is approximately consists of.	A. 60% B. 50% C. 80% D. 100%
8	A force of 20 N acts along x axis, tis component is.	A. 0 N B. 10 N C. 20 N D. 30 N
9	A force of 10 N acts on a body of mass 5 kg in one second. The change in its momentum will be.	A. 10 kgms-1 B. 50 kg ms-1 C. 2 kg ms-1 D. 20 kg ms-1
10	When speed of a body is doubled then its	A. K.E. is doubled B. P.E. is doubled C. Acceleration of doubled D. Momentum is doubled
11	In the absence of external force, the change in momentum is.	A. Zero B. Constant C. Decreasing D. Increasing
12	At what speed the momentum and kinetic energy of a body having the same.	A. 1 ms-1 B. 2 ms-1 C. 4 ms-1 D. 8 ms-1
13	Unit of impulse is equivalent to that of.	A. Force B. Momentum C. Acceleration D. Velocity
14	The dimensional unit of impulse is.	A. [MLT] B. [MLT-1] C. [ML-1T-1] D. [M-1L-1T-1]
15	Change of momentum is equal to	A. Force B. Tension C. Impulse D. ...

D. Pressure

16 The rate of change of momentum is equal to

- A. Impulse
- B. Torque
- C. Velocity
- D. Force

17 Kg ms^{-1} can also be written as

- A. Nm
- B. Ns
- C. Ns^{-1}
- D. Js