1st Year Fsc Physics Online Test

Sr	Questions	Answers Choice
1	The trajectory of a projectile is.	A. Circle B. Parabola C. Hyperbola D. Straight line
2	The angle of projection for which its maximum height and horizontal range are equal	A. 46 ^o B. 56^o C. 66^o D. 76^o
3	The ballistic missiles are used only for	A. Long range B. Short range C. Medium range D. Constant range
4	The horizontal component of velocity of projectile	A. Increases B. Decreases C. Remain same D. Decreases and then increases
5	An athlete runs with a speed of 12 ms-1. Determine the longest jump he can undertake.	A. 12 m B. 14.4 m C. 24 m D. 16.2 m
6	Horizontal range is maximum when the angle of projectile is.	A. 0 o B. 30 o C. 45 o D. 60 o
7	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
8	When the projectile reaches the highest point of trajectory, the vertical component of velocity becomes.	A. Small B. Zero C. Maximum D. Vi cos
9	Motion of projective is	A. One dimensional B. Two dimensional C. Three dimensional D. Four dimensional
10	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
11	A typical rocket consumes fuel about	A. 40000 Kgs-1 B. 30000 Kgs-1 C. 20000 Kg s-1 D. 10000 Kgs-1
12	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%
13	A force of 20 N acts along x axis, tis component is.	A. 0 N B. 10 N C. 20 N D. 30 N
14	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
15	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
16	In the absence of external force, the change in momentum is.	A. Zero B. Constant C. Decreasing D. Increasing
17	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