Physics ICS Part 1 Chapter 2 Online Test

Sr	Questions	Answers Choice
1	The horizontal componet is velocity of projectile moving with initial velocity of 500 ms -1 at angle of 60^{o} with x-axis is equal to	A. 250 ms-1 B. Zero C. 500 ms -1 D. 1000 ms-1
2	The motion of the rocket is in accordance with law of conservaion of	A. Linear momentum B. Energy C. Mass D. Angular momentum
3	When the projectile the highest point of trajectory the verticla component of velocity is.	A. Small B. maximum C. Zero D. V Cos
4	The acceleration at the top of a trajectory of projectile is.	A. g B. zero C. Maximum D. Minimum
5	Rocket ejects the burnt gasses at a speed of over (consuming fuel at rate of 10000kg/s)	A. 4000 m/s B. 400 m/s C. 40000 cm/s D. 400 cm/s
6	The projectile gains its maximum gh at an angle of.hei	A. 0^o B. 45^o C. 60^o D. 90^o
7	For what angle of projection projectile has maximum horizontal range	A. 45^o B. 90^o C. 0^o D. 30^o
8	The range of projectile is same for two angles which are mutually.	A. Perpendicular B. Complementary C. Supplementary D. 270^o
9	If a force of 10 N makes an angle of 30^{o} with x-axis its y-component is given by	A. 8.66 N B. 0 N C. 0.776 N D. 5 N
10	In projectiel motion horizontal rane depends upon.	A. Angle of projection B. Initial velocity C. Both initial velocity and angle of projection D. Final Velocity
11	If A.B =0 when vector A and B are parallel or anti paralled, then either A or B is a	A. Equal B. Null Vector C. Perpendicular D. Not Zero
12	Before launch of any rocket the mass of fuel of the rocket is about	A. 60% of rocket mass B. 50% of rocket mass C. 40% of rocket mass D. 80 % of rocket mass
13	If A x B points along positive z-axis, then vector A and B must lie in.	A. y Z -plane B. X y -plane C. X Z -plane D. x 0 - Plane
14	SI Unit of impulse in.	A. kg m s-2 B. Ns C. N m D. N m2
15	As rocket moves upwrd during its journey, then its acceleration goes on.	A. Increasing B. Decreasing C. Remains same

		D. It moves with uniform velocity
16	Dimensions of impulse are similar to dimensions of.	A. Work B. Torque C. Force D. Momentum
17	The trajectory of projectile is.	A. Straight line B. Parabola C. Hyperbola D. Circle
18	Ascalar is a physicla quantity which is completely specified by.	A. Number B. Direction only C. Number with proper unit D. Number with direction
19	The SI unit of momentum is.	A. Kg ms B. Kg ms -2 C. kg m2 s D. kg 2 m-1
20	The velocity of the projectile is maximum.	A. At half of height B. At highest point C. Just before striking the ground and at the point of projection D. At one fourth of maximum height