Physics ICS Part 1 Chapter 2 Online Test

Sr	Questions	Answers Choice
1	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
2	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
3	A collision in whcih both K.E. and momentum are conseverd.	A. Elastic collision B. Inelastic ollision C. Both elasic and inclastic D. Norther elastic nor inclastic
4	Elastic collision involoves	A. Loss of energy B. Gain of energy C. No gain, no loss of energy D. No relation between energy and elastic collision
5	The resultant of two forece 3 N and 4 N actign parallel to each other is.	A. 4 N B. 7 N C. 1 N D. 6 N
6	Motion of projectile is.	A. One dimensional B. Two dimensional C. Three dimensional D. None of the above
7	If A x B = 0 then it is concluded that.	A. A and B ar e to each other B. A and B are parallel to each other C. A and B are position vectors D. A and B are unti vectors
8	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
9	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
10	The rate of change of momentum is	A. Force B. Impulse C. Acceleration D. Power
11	The acceleration at the top of a trajectory of projectile is.	A. g B. zero C. Maximum D. Minimum
12	Name the quantity which is a vector	A. Power B. Density C. Impulse D. Charge
13	The motion of the rocket is in accordance with law of conservaion of	A. Linear momentum B. Energy C. Mass D. Angular momentum
14	The projectile gains its maximum gh at an angle of.hei	A. 0^o B. 45^o C. 60^o

		D. 90^o
15	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
16	The scalar product of two vectors will be maximum if they are.	A. Parallel B. Perpedicular C. Anti Parallel D. All of these
17	SI Unit of impulse in.	A. kg m s-2 B. Ns C. N m D. N m2
18	The cross product of vector A with itself is equal to.	A. A B. 1 C. 2 A D. Null Vector
19	The scalar product of two vector is maximum if they are.	A. Perpendicular B. Parallel C. At 30^o D. At 45^o
20	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