Physics ICS Part 1 Chapter 2 Online Test

Sr	Questions	Answers Choice
1	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
2	The trajectory of projectile is.	A. Straight line B. Parabola C. Hyperbola D. Circle
3	Motion of projectile is.	A. One dimensional B. Two dimensional C. Three dimensional D. None of the above
4	When the projectile the highest point of trajectory the verticla component of velocity is.	A. Small B. maximum C. Zero D. V Cos
5	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
6	The scalar prodcut of two vectors A and B is zero when	A. They are perpendiclar to each other B. They are equal vector C. They are in same direction D. They are in opposite direction
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	The magnituede of cross-proecut and dot product of two vectors are equal, the angle betwene the vectors is.	A. 45^o B. Zero C. 180^o D. 90^o
9	Maximum number of rectangular components of a vector in 2- dimenstion may be	A. One B. Two C. Three D. Infinite
10	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
11	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
12	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
13	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
14	Whcih of the following is a scalar quantity.	A. Torque B. Forece C. Energy D. Acceleration
15	The range of projectile is same for two angles which are mutually.	A. Perpendicular B. Complementary C. Supplementary D. 270^o
16	The rate of change of momentum is	A. Force B. Impulse C. Acceleration D. Power
17	The scalar product of two vectors will be maximum if they are.	A. Parallel B. Perpedicular C. Anti Parallel D. All of these
18	A body thrown upward making certain angel with the horizontal and moving freely under the action of gravity is called.	A. Rocket B. Satellite C. Projectile D. Space ship
19	SI Unit of impulse in.	A. kg m s-2 B. Ns C. N m D. N m2
20	The motion of the rocket is in accordance with law of conservaion of	A. Linear momentum B. Energy C. Mass D. Angular momentum