Physics ICS Part 1 Chapter 2 Online Test

Sr	Questions	Answers Choice
1	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
2	The cross product of vector A with itself is equal to.	A. A B. 1 C. 2 A D. Null Vector
3	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
4	The scalar product of two vectors will be maximum if they are.	A. Parallel B. Perpedicular C. Anti Parallel D. All of these
5	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
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	Maximum number of rectangular components of a vector in 2- dimenstion may be	A. One B. Two C. Three D. Infinite
8	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
9	The Fs of force F of magnitude 30 N making an angle of 60^{o} with x -axis	A. 7 N B. 15 N C. 10 N D. 5 N
10	Name the quantity which is a vector	A. Power B. Density C. Impulse D. Charge
11	Whcih of the following is a scalar quantity.	A. Torque B. Forece C. Energy D. Acceleration
12	Ascalar is a physicla quantity which is completely specified by.	A. Number B. Direction only C. Number with proper unit D. Number with direction
13	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
		A. Increasing B. Decreasing

14	As rocket moves upwrd during its journey, then its acceleration goes on.	C. Remains same D. It moves with uniform velocity
15	The rate of change of momentum is	A. Force B. Impulse C. Acceleration D. Power
16	SI Unit of impulse in.	A. kg m s-2 B. Ns C. N m D. N m2
17	The acceleration at the top of a trajectory of projectile is.	A. g B. zero C. Maximum D. Minimum