

## Physics Fsc Part 1 Chapter 2 Online Test

Sr	Questions	Answers Choice
1	The scalar product of two vectors will be maximum if they are.	A. Parallel B. Perpedicular C. Anti Parallel D. All of these
2	Maximum number of rectangular components of a vector in 2- dimenstion may be	A. One B. Two C. Three D. Infinite
3	The SI unit of momentum is.	A. Kg ms  B. Kg ms -2 C. kg m2 s D. kg 2 m-1
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 angle at which dot product becomes equal to cross product.	A. 45 <sup>o</sup> B. 65 <sup>o</sup> C. 75 <sup>o</sup> D. 35 <sup>o</sup>
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	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
8	The motion of the rocket is in accordance with law of conservaion of	A. Linear momentum  B. Energy C. Mass D. Angular momentum
9	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. 4000 cm/s D. 4000 cm/s
10	The Fs of force F of magnitude 30 N making an angle of 60 <sup>0</sup> with x -axis	A. 7 N B. 15 N C. 10 N D. 5 N
11	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
12	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
13	The range of projectile is same for two angles which are mutually.	A. Perpendicular B. Complementary C. Supplementary D. 270 <sup>o</sup>
14	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
15	A collision in wheih both K.E. and momentum are conseverd.	A. Elastic collision B. Inelastic ollision C. Both elastic and inclastic D. Norther elastic nor inclastic
16	The magnituede of cross-proecut and dot product of two vectors are equal, the angle betwene the vectors is.	A. 45 <sup>o</sup> B. Zero C. 180 <sup>o</sup> D. 90 <sup>o</sup>
17	If $A \times B = 0$ 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
18	For what angle of projection projectile has maximum horizontal range	A. 45 <sup>o</sup> B. 90 <sup>o</sup> C. 0 <sup>o</sup> D. 30 <sup>o</sup>
19	The projectile gains its maximum gh at an angle of.hei	A. 0 <sup>o</sup> B. 45 <sup>o</sup> C. 60 <sup>o</sup> D. 90 <sup>o</sup>
20	The acceleration at the top of a trajectory of projectile is.	A. g B. zero C. Maximum D. Minimum