Physics Fsc Part 1 Chapter 3 Online Test

Sr	Questions	Answers Choice
1	Direction of angualr aceleration is always along.	A. x -axis B. y -axis C. z-axis D. The axis of rotation
2	Ratational analogue of force is.	A. Torque B. Velocity C. Mass and veight D. Momentum
3	In one revolution the anguar displacement covered is.	A. 60^o B. 90^o C. 360^o D. 180^o
4	A wheel of radius 2 m turns though an angle of 57.3^{o} It lay out a tangential distance.	A. 2m B. 4 m C. 57.3 m D. 114 .6 m
5	A 1000 kg truck is turinging round a corner of radius 100 m with speed 72 km/h, centipetal force is ……N.	A. 2 B. 40 C. 400 D. 4000
6	SI Unit of angualr momentum is.	A. Js B. Kgmsec3 C. kgm2s-1 D. kgms-2
7	The work doen by the centripetal force is.	A. Zero B. Minimum C. Maximum D. Negative work
8	An astronaut is orbiting aroudn th Earth in a large capsule . Then.	A. He willbe in a state of weight lessness with respect to capsule B. He is freely falling towards the Earth C. A ball prjected at an angle has a straight line path as observed by him D. All the above
9	Every point of rotating rigid body has	A. Same angualr velocity B. Same linear velocity C. Same linear aceleration D. Same linear distance
10	Artificial gravity is provided to the satellite by	A. Velocity B. Wetight C. Acceleration D. Rotating aroudn a verticla axis
11	SI Unit of angular displacement	A. Meter B. Radian C. Kilometer D. Centimeter
12	One radian is equal to.	A. 57.3^o B. 56.3^o C. 360^o D. 58.3^o
13	Law of consrvation of angular momentum is importnat in.	A. Diving B. Gymnastics C. Ice Skating D. All of these
14	The rate of change of angular velocity is.	A. Angular velocity B. Angualr aceleration C. Angular displacement

		D. Angular speed
15	When a ball is rotation in a circular path at the end of string is released. It will move.	A. To the centre B. A way from the centre C. Along the tangent D. Opposite to the motion
16	Moment off inertia depends upon	A. Mass B. Selection of axis of rotation C. Both a and b D. Speed of the body
17	A bodyof mass 10 kg is allowed to fall freely its apparent weight becomes.	A. 0 B. 8.9 N C. 9.8 N D. 10 N
18	The dimension of angular velocity is.	A. [LT-1] B. [LT-2] C. [T-1] D. [L-1T]
19	A bottle of soda wate is grasped fromt he neck and swung briskly in vertical circle. Near whcih portionof the bottle do the bubble collect.	A. Near the bottom B. In the middle of bottle C. Bubble sremain distributed througout D. Near the neck of the bottle
20	A body travellling in a circle at constatn speed.	A. Has constaltn velocity B. Has an inward radial acceleration C. I not accelerated D. Has an outward radical acceleration