Physics ICS Part 1 Chapter 3 Online Test

Sr	Questions	Answers Choice
1	When a body oves in circle the angle between its linear velocity and angular velocity is always.	A. Zero B. 60^o C. 45^o D. 90^o
2	Law of consrvation of angular momentum is importnat in.	A. Diving B. Gymnastics C. Ice Skating D. All of these
3	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
4	Ratational analogue of force is.	A. Torque B. Velocity C. Mass and veight D. Momentum
5	The time rate of changer of angular displacement is called.	A. Linear velocity B. Linear Acceleration C. Angular Acceleration D. Angualr velocity
6	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
7	SI Unit of angualr momentum is.	A. Js B. Kgmsec3 C. kgm2s-1 D. kgms-2
8	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
9	An object in uniform circular motion make 10 revolution sin 2 secons .Which of the following statement is true.	A. Its period is 2.0 s B. Its period is 20 s C. Its frequency is 5 Hz D. Its frequency is 0.2 Hz
10	SI Unit of angular displacement	A. Meter B. Radian C. Kilometer D. Centimeter
11	One radian is equal to.	A. 57.3^o B. 56.3^o C. 360^o D. 58.3^o
12	The rate of change of angular velocity is.	A. Angular velocity B. Angualr aceleration C. Angular displacement D. Angular speed
13	The minimum velocity necessary to put a satellite into the orbit is called.	A. Terminal velocity B. Critical velocity C. Artificial velocity D. Angular Velocity
14	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

		nım D. All the above
15	When a body is whirled in a horizontal circle by means of a string. The centripetal force is supplied by	A. Mass of a body B. Velocity of a body C. Tension in the string D. Air friction
16	The direction of motion of a particle moving in a circle is along the	A. Normal B. Tangent C. Away from centre D. Towards the centre
17	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
18	The work doen by the centripetal force is.	A. Zero B. Minimum C. Maximum D. Negative work
19	Moment off inertia depends upon	A. Mass B. Selection of axis of rotation C. Both a and b D. Speed of the body
20	A stone at the end of long string is whirled in verticl circle at a constant speed The tension in the string willbe minimum when the stone is.	A. At the top of the cirlcle B. Halfway down C. At the bottom of circle D. Any where in the circle