Dynamic

Sr	Questions	Answers Choice
1	Conservation of Linear momentum is equivalent to.	A. Newton's Firs law of motion B. Newton's second law of motion C. Newton's third law of motion D. None of these
2	Thrust force is a consequence of which law of motion.	A. First B. Second C. Third D. Fourth
3	A bucket having some water is revolved in vertical circle. Water does not spill out, even the bucket is upside down, due to.	A. Centrifugal force on water B. Weight of water C. Inertial of water D. Action and Reaction balance each other
4	N kg-1 is equivalent to	A. m s-1 B. m s-2 C. k g ms-1 D. kg m s-2
5	At the fairground, the force that balances your weight is	A. Gravitatinal force B. Electrostatic force C. Centripetal force D. Frictional force
6	Inertia of a body is related to which of the following quantitiies	A. Friction B. Force C. Mass D. Weight
7	Change in momentum of a body is equal to	A. Force Velocity B. Force Time C. Mass time D. Force
8	A force acts on a boyd for 2 seconds and it produces 50 kg m/s chagne in its momentum. The force acting on the body	A. 25 N B. 100 N C. 2 N D. 50 N
9	A ball with initial momentum p its a solid wall and bounces back with the same velocity. Its momentum p after collision will be.	A. P' = p B. P' = - P C. P' = 2P D. P' =-2P
10	A book of mass 5 kg is placed on the table, the magnitude of net force acting on the book is.	A. 0 N B. 25 N C. 5 N D. 10 N
11	A large force acts on an objet for a very short interval of time. In the case, it is easy to determine.	A. Magnitude of force B. Time interveal C. Product of force and time D. None of these
12	When a hanging carpet is beaten by stick Dust flies off the carpet It is mainly due to.	A. Action force on carpet B. Inertia of dust C. Reaction force by carpet D. Rate of change of momentum of carpet
13	An object will continue its motion with constant acceleration until	A. The resultant force is at right angle B. The resultant fore on it begins to increase C. The resultant force on it begins to decrease D. The resultant force is at right angle to its tanggential velocity
14	SI unti of linear momentum is	A. kgm-1 s-1 B. kg m s-1 C. kg m2 s-1

		D. Nm
15	The force which moves the car is	A. Force of friction between road tyre B. Force developed by engine C. Uniform velocity D. Water split on the road
16	A force n 5 N is applied to a body weighing 10 N. Its accelerationin m/s2 is	A. 0.5 B. 2 C. 5 D. 50
17	Which of the following is a non -contact force.	A. Friction B. Electrostatic force C. Air resistance D. Tension in the string
18	What we kick a stone, we get hurt This is due to	A. Inertia B. Momentum C. Reaction D. Velocity
19	An object with a mass 5 kg moves at constatn velocity of 10 ms-1 A constant force then acts for 5 seconds on the object and gives it a velocity of 2 ms-1. In the opposite direction ,The force acting on the objects is.	A. -12 N B. 5 N C. -10 N D. -15 N
20	The rate of change of momentum of free falling body is equal to its.	A. Size B. Velocity C. Weight D. Momentum