Dynamic

Sr	Questions	Answers Choice
1	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
2	An object of mass 1 kg placed at earth's surface experience a force of.	A. 1 N B. 9.8 N C. 100 N D. Any Value
3	What we kick a stone, we get hurt This is due to	A. Inertia B. Momentum C. Reaction D. Velocity
4	Thrust force is a consequence of which law of motion.	A. First B. Second C. Third D. Fourth
5	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
6	Net force n the body falling in air with uniform velicyt is equl to.	A. Zero B. Weight of the body C. Are resistance on the body D. Difference of weight of body and air resistance on it.
7	SI unti of linear momentum is	A. kgm-1 s-1 B. kg m s-1 C. kg m2 s-1 D. Nm
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	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
10	Which of the following is a non -contact force.	A. Friction B. Electrostatic force C. Air resistance D. Tension in the string
11	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
12	A particle of mass m moving with a velocity v collides with another particle of the same mass at rest. The velocity of the first particle after collision is.	A. 0 B. v C. -p D. - 1/2
13	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
14	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
15	At the fairground, the force that balances your weight is	A. Gravitatinal force B. Electrostatic force C. Centripetal force D. Frictional force
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	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
18	N kg-1 is equivalent to	A. m s-1 B. m s-2 C. k g ms-1 D. kg m s-2
19	Inertia of a body is related to which of the following quantitiies	A. Friction B. Force C. Mass D. Weight
20	The rate of change of momentum of free falling body is equal to its.	A. Size B. Velocity C. Weight D. Momentum