Turning Effect of Forces

Sr	Questions	Answers Choice
1	A particle is simulataneously acted upon by two forces of a 4 and 3 newtons. The net force on the particle is.	A. Between 1 N and 7 N B. 1 N C. 5 N D. 7 N
2	The reason that a car movint on a horizontal road gets thrown out of the road while taking a turn is.	A. The reaction of ground B. Rolling friction between tyre and road C. Lack of sufficient centriptal force D. Gravitational force
3	Centripetal force is given by	A. rF B. mv2/r C. mv /r2 D. r Fcos0
4	It is more difficult to walk on a slippery surface than on a nonslipery one because of	A. Lower weight B. Increased friction C. Reduced friction D. High grip
5	For an objec moving with terminal velociyt, its acceleration.	A. First increasse than decreases B. Is zero C. Increass with time D. Decrease with time
6	The force that alwyas changes directron of velocity and not its magnitude tis called.	A. Electrical force B. Centripetal force C. Gravitational force D. Friction
7	When line of action of the applied force passes through its pivot point then momet of force acting on the body is	A. Maximum B. Minimum C. Infinite D. Zero
8	If a body is at rest or moving with uniform rotational velocity, then torqu acting on the boyd will be.	A. Zero B. Maximum C. Minimum D. Infinite
9	A shopkeeper sells his articles by a balance having unequal arms of the paes. If he puts the weights in the pan having shorter arm, then the customer.	A. Gains B. Loses C. Neigher loses nor gains D. Not certain
10	A tightropw walker is carrying a long pole while walking across a rope The stability of the walker is affected if the pole is	A. Short and placed horizontally B. Long and placed horizontally C. Short and placed vertically D. Long and placed vertically
11	You throw a ,it opens fully underwater, spreading out its mesh evenly.Compared to the moment it left your hand, where in the net\s center of mass now.	A. Unchanged from its position when thrown B. At the same depth but slightly shifted horizontally C. Higher is the water column D. Loweer in the water column
12	A cylinder resting on its circulr bases is in	A. Neurtral equilibrium B. Stable equilibrium C. Unsatable equilibrium D. None of these three
13	A car drives at steady speed around a perfectly circular track	A. The car's acceleration is zero B. The net force on the car is zero C. Both the aceleerain and net force n the the car point inward D. Both the accelerationand net fore on the the car point outward
14	The centre of mass of a body	A. Lies always inside the body B. May lie within, outside or on the surface C. Lies always on the surfce of the

		body D. Lies always on the sufrace of the body.
15	A setallite of mass 'm' is revolving around the earth with an orbital speed 'v' If mass of the satellite is doubled, its orbital speed will become.	A. Double B. Half C. One fourth D. Remain the same
16	A man walks on a tight rope. He balances hiself by holding a bamboo stick horizontally, It is an application of	A. Law of conseration of momentum B. Principle of momentums C. Newton's third law of motion D. News' second law of motion
17	A uniformly rotating fan is said to be in	A. Static equilibrium only B. Dynamic equilibrium only C. Boh in static and dynamic equilibrium D. Not in equilibrium
18	A body in equilibrium must not have	A. Speed B. Velocity C. Acceleeration D. Quantity of motion
19	In stable equilibriu the centre of gravity of the body lies.	A. At the highest position B. At any position C. Outside the body D. At the lowest position
20	Moment of force is called	A. Couple B. Moment arm C. Torque D. Couple arm