



torce:-

=> A push or pull of an object is called force.

=> The direction in which the force is applied is ralled direction of force.

=> Squeeze, lift, streetch, twist, press are categorised as push or pull.

=> The cause of porce is que to an interaction between objects.

=> Force has magnitude as well is direction ST unit Nawton (1) or Kgm/s2.

> If the forces are acting in same direction, then the net force is calculated

by adding the magnitude of the forces.



=> If the forces are applied in a direction opposite to each other, then the net force is calculated by substreating the magnitude of the forces.



Force is due to an Intercacion: -

An interaction of objects with one another results

in a force between the objects.

=) In interaction each object leave an extract of force on the other object.







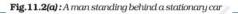




Fig.11.2 (b): A car being pushed by a man

Effects of forces:-

2) It can move a stationary object



(a)

Fig. 11.1: (a) A goal keeper saving a goal, (b) A hockey player flicking a ball, and (c) A fielder stopping a ball

Tt can stop a moving object.

iti) It can change the speed of an moving object.

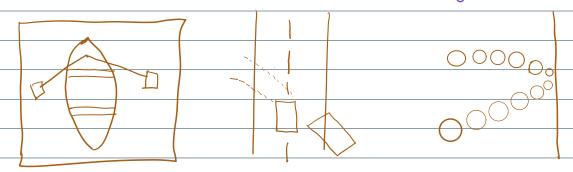


Fig 11.3 (c): Who is pulling whom?

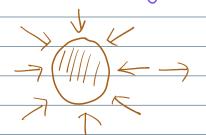


Fig. 11.5: The rope may not move if the two teams pull at it with equal force

IV) It can change the direction of an moving object.

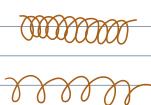


V) It can change the shape and size of an object.









Frample: i) A gulk ball being hit by the player / football. ii) A goal Keeper shops a moving ball eii) Pushing moving cycle in same dirrection increases the speed and speed decreases when force applied in apposite dirrection. N) When a creic keter hit the ball, the dirrection of the back changes V) streeting of a rubber band or squeezing of a speed.	
MCQ a) Goal Keeper i) change b) Hockey Player (i) Step an () Breakes of care iv) Thereof of Greating are statement and only one body involved when there is no interaction of Only one body involved when there is no interaction of Only one body involved when there is applied? Towards of Greating object where the force is applied? Alway from opening the door, in which direction the force is applied? Towards of Opening the	in motion notion an bject ase in Speed

