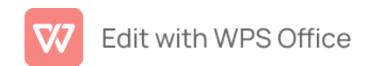
## BCM SCHOOL BASANT AVENUE DUGRI LUDHIANA

## Assignment

## Class IX (Physics)

- Q1 Action and reaction forces act:
- (a) on different bodies always
- (b) on same body always
- (c) on same body sometimes
- (d) On different bodies sometimes.
- Q2 It is difficult to push a truck parked on road as compare to a small car because;
- a) Inertia of rest car is more as its size is small.
- b) Inertia of rest of truck is more as its size is big.
- c) Inertia of rest of truck is more as its mass is much more.
- d) Inertia of motion of truck is more as its mass is more.
- Q3 If mass of a body is in kg, moving with uniform speed in m/s then its momentum is measured in;
- c) kg m/s d) kg cm/s
- a) Kg cm/s b) kg m/s'
- Q4 which law of motion is also known as law of Inertia?
- Q5 A stone is falling from a height, the force acting on it is balanced or unbalanced.
- ....fil in the blank).
- Q6 Rate of change of linear momentum is called...
- Q7 A force of 50 Newton exerted on a body of mass 2kg can produce an acceleration of.... (fill in blank)
- Q8 Give an expression to relate force and momentum.
- Q9 Which has more inertia a box of mass 20kg or a box of mass 200kg ?Give reason to your choice.
- Q10 Why is it difficult for fire men to hold hose pipe while putting out fire?
- b) Why do we get backward jerk in a bus as it starts suddenly?
- Q11 How does first law of motion lie in second law of motion?



Q12 Define 1 Newton of force. If force of 10 Newton acts on a body, what is its value in cgs.

