

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.

....fill 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.



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