TEST PAPER: PHYSICS

Time: 45 Minutes **Class:** C.B.S.E 8

Max. Marks: 30 marks **Date:** 18th April 2018

Marking Scheme: *Three questions carry 10 marks each. Each question has 3 sub-parts. Subparts (a) and (b) carry 3 marks each and subpart (c) carries 4 marks.*

Question 1

A Fill in the blanks:

i) Forces applied on an object in the same direction _____to one another
ii) If the two forces act in the opposite directions on an object, the net force acting on it is _____between the two forces
iii) The _____ force always acts on all the moving objects and its direction is always opposite to the direction of motion.
iv) Force could be a _____ or _____.
v) Force exerted by a magnet is an example of a _____ force.
vi) To move a loaded trolley we have to _____ it.

B Define:

i) Force
ii) Pressure
iii) Atmospheric pressure

C

i) Explain various effects of force with suitable examples.
ii) What are scalar and vector quantities? Give examples.

Question 2

A True or False:

i) Force is a scalar quantity
ii) A force arises due to interaction between two objects
iii) The north pole of a magnet attracts North Pole of another magnet.
iv) A force can act on the object only if it is in contact with it
v) Frictional force is a type of non-contact force
vi) Liquids does not exert pressure

B i) What is state of motion?

a. position of rest
b. position of motion
c. both by the state of rest or motion
d. none of these

ii)The strength of force is expressed by?

a. weight

b. mass

c. magnitude

d. longitudinal force

iii) Force acts on an object may change

a. direction

b. shape

c. speed

d. all of above

C

i) Do liquids and gases also exert pressure? Describe a simple activity showing liquids exert pressure with neat diagrams.

ii) What is muscular force? Why it is called a contact force?

Question 3

A Give reasons :

i) When a ball is thrown, it stops rolling after some time.
ii) We are not crushed under atmospheric pressure

B.

i) Write different states of motion giving examples in our daily life.
ii) Give two examples of situations in which applied force causes a change in the shape of an object.

C.

i) Explain different non-contact forces.
ii) Why shoulder bags are provided with broad straps and not thin straps?