

Subject-Science

Chapter 1

Que 1. Choose the most appropriate answer -

- (i) A force applied on a moving body may -
Ⓐ bring it to rest Ⓑ increase its speed
Ⓒ decrease the speed Ⓓ all of the above
- (ii) Earth always pulls everything towards it due to
Ⓐ muscular force Ⓑ Mechanical force
Ⓒ Gravitational force Ⓓ electrostatic force
- (iii) A cart being carried by a horse is an example of -
Ⓐ muscular force Ⓑ Mechanical force
Ⓒ Gravitational force Ⓓ magnetic force.
- (iv) If you press an inflated balloon, it deforms due to a type of -
Ⓐ contact force Ⓑ non-contact force
Ⓒ Gravitational force Ⓓ none of the above
- (v) Force exerted by the muscles is known as -
Ⓐ mechanical force Ⓑ Gravitational force
Ⓒ electrostatic force Ⓓ muscular force.

Que 2. Fill in the blanks -

- (i) The push or pull that changes the motion of a body is known as
- (ii) of an object is measure of earth's gravitational pull on it.

(iii) force depends upon the masses of the objects and the between them.

(iv) Non-contact force is also referred to as force.

(v) Combustion of petrol produces force to run a car.

Que 3. Match the columns -

Ⓐ Mechanical force

Ⓑ Electrostatic force

Ⓒ Gravitational force

Ⓓ Muscular force

Ⓔ Magnetic force

1. Electrical charges

2. magnet and iron

3. Scissors

4. Earth's pull

5. Lifting a heavy stone

Que 4. State whether True or False:

(i) A force always changes the state of motion of the body.

(ii) The mechanical force is not action-at-a distance force.

(iii) A force can not change the direction of a moving object.

(iv) Magnetic force is an example of non-contact force.

(v) A spring balance can be used to measure force.