

St. THOMAS SCHOOL, DHURWA, RANCHI-4
THIRD TERM 2020-2021
Practice Paper-3 (with model answers)

Std-4

Subject: Science

Ch- 11 Push and Pull

Q.1. Write the scientific term: -

1. A push or pull acting on an object
Ans. Force
2. A force that moves an object away from you
Ans. Push
3. A force that moves an object towards you
Ans. Pull
4. The force of Earth that pulls objects towards itself
Ans. Gravitational force/gravity
5. Force that tries to slow down or stop moving object
Ans. Frictional force
6. Force that we apply using our body with the help of our muscles
Ans. Muscular force
7. Force applied by magnet on iron objects
Ans. Magnetic force

Q.2. Give reason: -

1. If we throw a ball upwards in the air, it comes down back to the Earth.
Ans. This happens because the earth pulls every object towards itself with a force called gravitational force or gravity.
2. People with strong muscles can easily lift or move heavy weights.
Ans. It is because strong muscles help to generate large muscular force.
3. Things made of iron get attracted to a magnet.
Ans. It is because the magnet attracts these magnetic materials towards itself with a force called magnetic force.

Q.3. Give one example of each of the following: -

1. Muscular force
Ans. Pulling a suitcase trolley or plucking a fruit from a tree.
2. Magnetic force
Ans. Iron nails are attracted to a magnet due to magnetic force.
3. Gravitational force
Ans. Ball that we throw up in the air, comes down back on the earth.
4. Frictional force
Ans. If we throw a ball on the ground, it slows down or stops after sometime.

Q.4. Differentiate between the following.

(a) Push and Pull (definition and 2 examples)

Ans. Push

1. The force that we apply to move an object away from us, is known as Push.

2. Eg. We push a drawer to shut it.
Kicking a ball.

Pull

1. The force that we apply to move an object towards towards us, is known as Pull.

2. Eg. We pull a fridge door to open it.
We pull a drawer to open it.

Q.5. Write few examples of force in our everyday life.

Ans. 1. We apply force when we comb our hair

2. We use force to lift a bag or any other objects.

3. We apply force to move a box or table from one place to another.

4. We apply force while cutting vegetables.

5. We apply force while pedalling a bicycle.

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