



# Fr. Agnel School

Waliv, Vasai (E)

**First Semester Exam**

**Std: 6<sup>th</sup>**

**Sub Science**

**Total Marks :50**

**Date: 22-10-2021**

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**Q I. Multiple choice questions. (15)**

1. \_\_\_\_\_ has to be applied to change the direction of a moving object.  
a. Energy    b. Pressure    c. Force
2. The effort in the centre, the load on one side and the \_\_\_\_\_ on the other side make a lever of the third order.  
a. load    b. fulcrum    c. effort
3. Earthworm is an \_\_\_\_\_ animal.  
a. Invertebrate    b. Vertebrate    c. Mammal
4. The capacity that an object has for doing work is called \_\_\_\_\_.  
a. motion    b. Energy    c. Work
5. The structure of a complete machine is \_\_\_\_\_.  
a. difficult    b. confused    c. complicated
6. The force of friction always acts \_\_\_\_\_ the motion.  
a. with    b. towards    c. along
7. Plants prepare their own food therefore they are called \_\_\_\_\_.  
a. autotrophs    b. heterotrophs    c. Insectivorous
8. A bucket full of water is to be drawn from a well, work will be done when a force is applied to do this, because there will be a \_\_\_\_\_ of water.  
a. work    b. force    c. displacement
9. When an elephant drags a wooden log over the land, the forces that are applied on the log are \_\_\_\_\_, gravitational force and frictional force.  
a. Mechanical force    b. Muscular force    c. Magnetic force
10. The flower is an important means of \_\_\_\_\_.  
a. reproduction    b. respiration    c. excretion
11. The solar cooker is an application of the \_\_\_\_\_ energy of the sun.  
a. heat    b. light    c. work
12. The fulcrum in the centre, the load on one side and the \_\_\_\_\_ on the other side make the lever of the first order.  
a. work    b. effort    c. load
13. Invertebrates are \_\_\_\_\_ animals.  
a. evolved    b. primitive    c. mature
14. Machines are used to save our \_\_\_\_\_ and time.  
a. Work    b. Load    c. Energy
15. The weight lifted by a lever is called \_\_\_\_\_.  
a. fulcrum    b. energy    c. load

**Q.II.A. State whether the statement is true or false. (4)**

1. The amoeba is a multicellular animal.
2. Mechanical energy is the form of energy.
3. The force applied with the help of muscles is called muscular force.
4. The snail is an aquatic animal.

**B. Match the following** (4)

- | A                                   | B                |
|-------------------------------------|------------------|
| 1. Sunlight                         | Kinetic energy   |
| 2. Vertebrate                       | Frictional force |
| 3. Applying breaks to<br>A bicycle. | A monkey         |
| 4. Rolling object                   | Heat energy      |

**C. Find the odd one out.** (2)

1. Sunlight, wind, waves, petrol.
2. Diesel, crude oil, natural gas, wind.

**D. Name the following** (2)

1. A non – flowering plant.
2. Squeezing sugarcane juice with a squeezer.

**E. Answer in one sentence** (4)

1. What is meant by weight?
2. Mention one advantage of using a machine.
3. From where does our body get energy?
4. In which form is energy stored in plant food?

**Q.III. Give reasons (any 3)** (6)

1. Travellers bags have wheel.
2. Machines are oiled from time to time.
3. Why is it necessary to classify living things?
4. Why should we save energy?
5. Powder is sprinkled on a carom board.

**Q. VI. Differentiate between** (4)

1. Muscular force and mechanical force
2. Vertebrates and Invertebrates.

**Q.V. Answer the following questions (any 3)** (9)

1. Define.
  - a. Muscular force.
  - b. Gravitational force.
  - c. Magnetic force.
2. Describe natural chain of transfer motion of energy.
3. Draw the structure of a plant and label it properly.
4. What is a lever? How are the orders of a lever determined?

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