

## Second Term Evaluation 2017-18

### Basic Science

STD: V

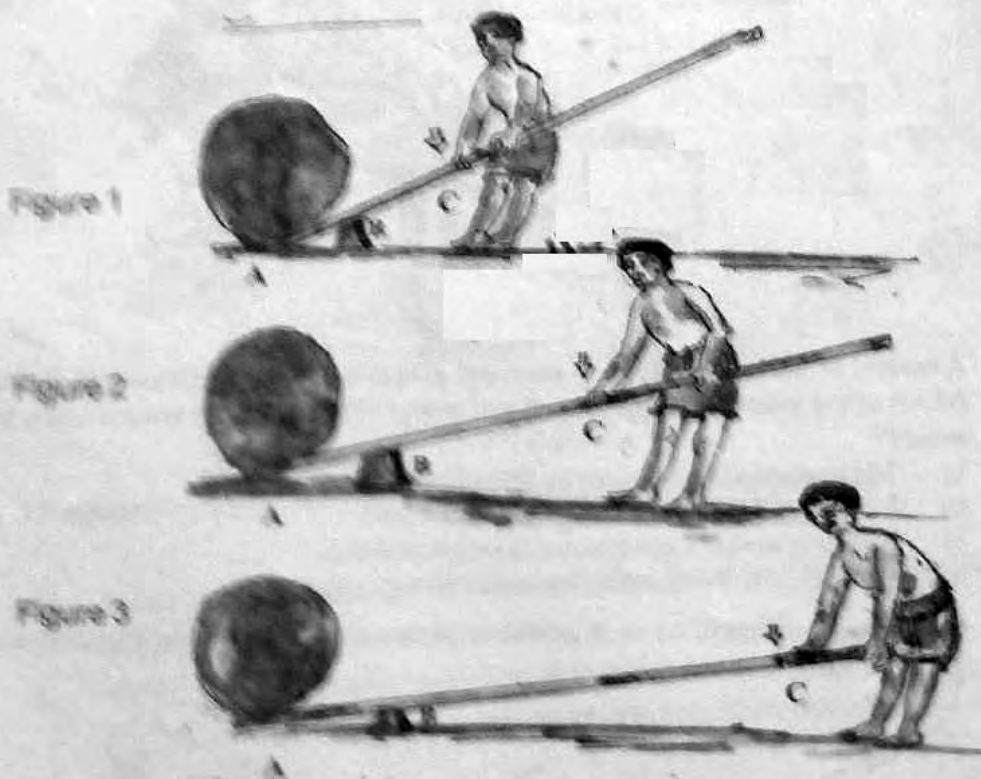
Time: 2 hrs

#### Instructions

1. 15 minutes cool off time is to be used for reading the questions.
2. Eight activities are given. Write any six
3. Each activity carries 5 scores

#### Activity - 1

Different methods of trying to lift a stone using a crowbar are given below



- a) What do A, B and C in the figures represent?
- b) Which is the easiest method to lift the stone? Explain why.

## Activity 2

Observe figures A and B



Figure A



Figure B

- A) In which instance is the work easier?  
B) How does the pulley make the work easier?

**Observe figure C**

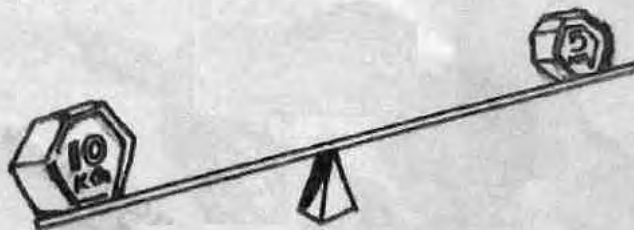


Figure C

- C) A weight of 10 Kg is placed at one end and 5 Kg at the other end of the seesaw. Which of the following activities will you select to lift the 10 Kg weight using the 5 Kg weight?
- a) 10 kg weight is placed away from the fulcrum
  - b) 5 kg weight is placed nearer to the fulcrum
  - c) Both the weights are placed at equal distance
  - d) The fulcrum is moved towards the 10 Kg weight
- D) Observe the different types of scissors. Which is the most suitable scissors for cutting a metal wire? Why?



Fig - A



Fig - B



Fig - C

### Activity - 3



Car



Aeroplane



Firewood stove

- Name the fuel used in each.
- Name a gaseous fuel used in vehicles.
- Find the odd one.  
1. Coal, 2. Petrol, 3. Diesel, 4. Kerosene
- Burning of fuels produces energy. What makes burning of fuels possible?

### Activity- 4



Observe the difficulties experienced by a woman while cooking.

- What changes should be made to the firewood stove to overcome these difficulties? Give four suggestions.
- Which of the following activities is suitable for conserving fuel?
  - A cycle is used for travelling short distances even though a motorbike is available.
  - Every family member uses a car for travelling short distances.
  - Never switches off lights and fans at home.
  - Each of the family members irons cloths at different times.

### Activity - 5

The names of plants collected by the students in connection with the construction of a biodiversity park are given below.

(Jack fruit tree, Hibiscus, Balsam, Sandalwood tree, Curry leaf plant, Rose, Sunflower, Bread fruit tree, Moringa, Bryophyllum, Spinach, Tapioca, Nishagandhi)

- Classify them according to their method of reproduction to include in the biodiversity register, in the form of a table.
- Name one plant which can be reproduced by using different parts.

### Activity-6

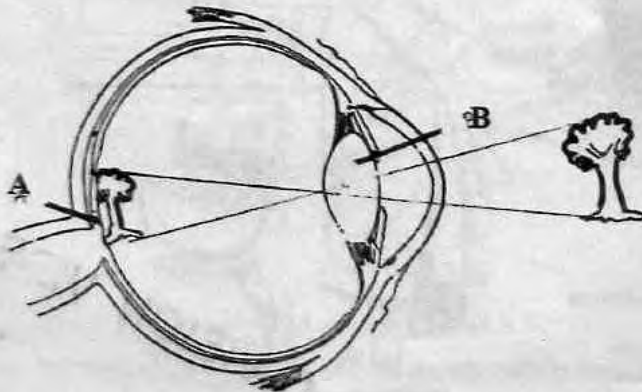
Examine the following daily life activities.

- Cutting trees
- Drawing water from well
- Unscrewing nuts from a cycle wheel

- Write the names of the tools which make work easier in each of them.
- What are simple machines? Describe?

### Activity - 7

Observe the picture.



- Correct the mistakes, if any, in the picture.
- Write the names of A and B in the picture.
- How do we see? Explain.

### Activity - 8

- There is a small circle on a sheet of white paper. Touch the circle with a pen, keeping an eye closed. Then touch the circle with a pen keeping both eyes open. What difference do you experience in both instances? Explain the reason.
- Which vitamin is essential for good eye sight?