

Standard : VI

Time : 2 Hrs

- ◆ 15 minutes is given as cooloff time. Read the questions carefully during this time.
- ◆ Attend ANY 8 activities from 10 activities.

**Activity 1**

A) Observe the pictures and complete the table given below.



Mulberry



Mango

Chamba  
(Rose apple)

Pineapple



Apple



Tomato



Custard Apple



Strawberry

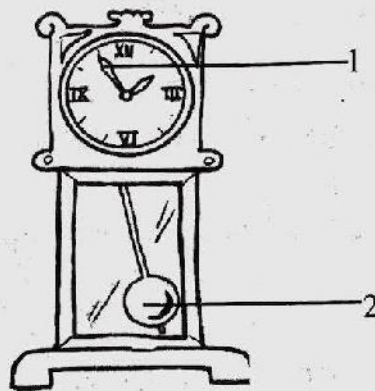
Fruits - Types	Examples	
Simple fruit	Mango	.....
.....	.....	Custard apple
Multiple fruit	Pineapple	.....
.....	.....	Apple

B) What changes occur to the following parts of a flower when it becomes a fruit?

- (i) Androecium - \_\_\_\_\_
- (ii) Ovary - \_\_\_\_\_
- (iii) Calyx - \_\_\_\_\_
- (iv) Ovule - \_\_\_\_\_

**Activity -2**

Observe the picture.



- A) What motion taken place in the picture marked where it is 1 and 2?  
Write down the characteristics of each motion.
- B) Write any two examples for these types of motions.

**Activity -3**

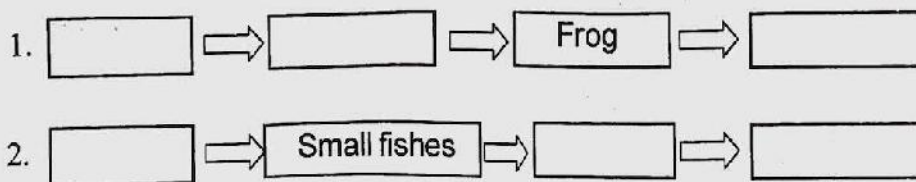
Read the news.

**News report**  
The students set an example for the nation by cleaning the unused pond.

- A) Complete the table including the various factors of a pond ecosystem.

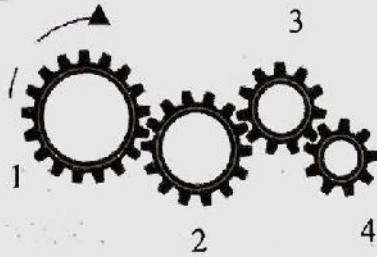
Biotic factors		Abiotic factors
Producers	(i).....	
(ii).....	Water snake	(v).....
(iii).....	(iv).....	(vi).....

- B) Complete the food chains including organisms in the pond ecosystem.



#### Activity-4

Observe the gears that Salim got when he opened the clock.



- A) Which gear rotates in the same direction of gear 1?
- B) Which gear is the fastest and which is the slowest?
- C) Gears help to transfer the force applied in one part of a device to another part. Write two other arrangements for this type of transfer of force?

#### Activity-5

Observe the picture.



Some activities that take place while riding a bicycle are given below.

- (i) Pedaling (ii) Applying the brake (iii) Turning the handle

- (A) How does the force affect the motion in each situation?
- (B) The teacher said that the sound heard when the children put their ears to each other's chest was the movement of the heart. Write two other movements that occur in your body.



- (C) Which is the odd one in the group?
- (i) A ball thrown against the wall bounces back.
  - (ii) Increases the speed of the running bus.
  - (iii) A vehicle moving forward reverses backward.
  - (iv) Hits a bowled ball with the cricket bat.

**Activity-6**

**Vegetable Production and Consumption**

A study reports that the consumption of vegetables in the diet of people is decreasing while the activities to increase the vegetable production are going on.

**Vegetable consumption is decreasing.  
Diseases are increasing**

Nutrition deficiency diseases are on the rise in the country. The new generation is averse to eating vegetables.

Have you read the newspaper reports given above.

- A) Conducting an interview with a doctor to know more about deficiency diseases. Prepare a questionnaire for this purpose.
- B) Iron is a mineral that is abundant in leafy vegetables. Name an Iron deficiency disease?

**Activity-7**

Check the list of food items.

wheat, vegetables, tapioca, rice, cashew nuts, sunflower oil, coconut oil, leafy vegetables, meat, ghee, groundnut, palm oil, potatoes, green gram fruits, bran of cereals

- A) Arrange the food items in the table given below.

Nutrients			
	Protein		Fat
tapioca	.....	fruits	.....
.....	.....	.....	.....
.....	.....	.....	.....
.....	.....	.....	.....

- B) Protein is the major nutrient that helps for the development and growth of the body. Name the disease caused by the deficiency of protein.