

Second Term Evaluation 2017-18

Basic Science

STD: VI

Time: 2 hrs

Instructions

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

Activity - I

Examine the table of food items and its nutrients.

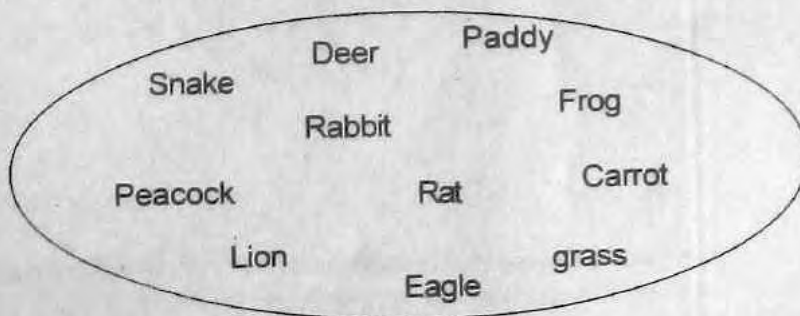
- A) Match each food item in A with its nutrients given in B.

Food items (A)	Nutrients (B)
Rice	Protein
Oil	Vitamin
Spinach	Fat
Fish	Carbohydrate

- B) Write the name of a protein deficiency disease.

Activity - II

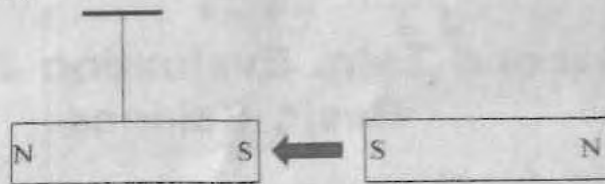
- A) Prepare four food chains using the following organisms.



- B) Which is the first level of all food chains?

Activity - III

A bar magnet is suspended freely. Another bar magnet is brought near this as shown in the figure.



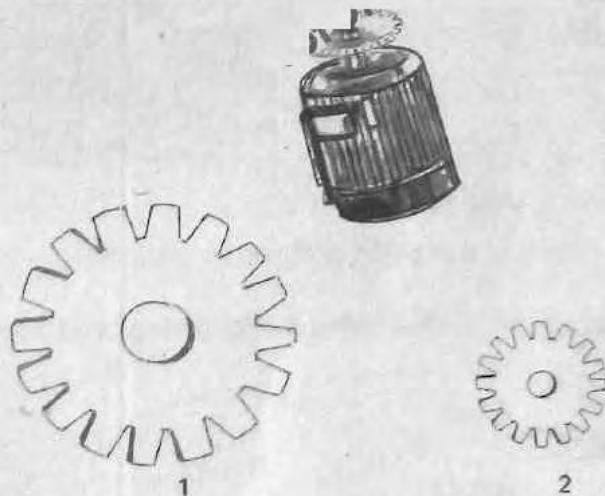
- A) What will happen to the suspended magnet? Why?
B) Classify the following objects based on their magnetic property.

Blade, Thread, Wooden block, Iron nail, Pin, Paper

Magnetic substances	Non magnetic substances
•	•
•	•
•	•

Activity - IV

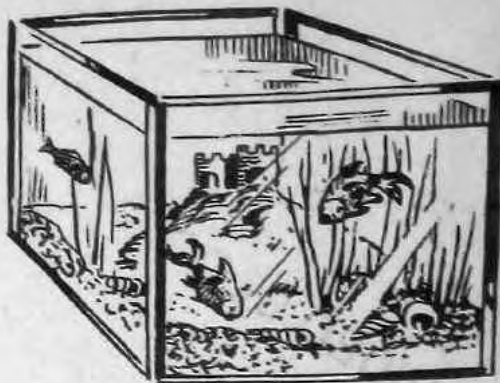
Have you observed the figure?



- A) Suppose you have to fix a device to the main motor. Which of the above gears (fig 1 or fig 2) can be used to increase the speed of the device?
B) How does the selected gear increase the speed of the device?
C) Name two devices in which gears are used?

Activity V

Observe the picture.



Aquarium



Pond

- A) Which is the more suitable habitat for the fish, the aquarium or the pond?
B) What are the biotic and abiotic factors which enable the fish to live in ponds?
Write them in the given table.

Biotic factors	Abiotic factors
1.	1.
2.	2.
3.	3.

- C) Name the place in which biotic and abiotic factors exist together by their mutual relationship?

Activity - VI

- A) Observe the figures in which the iron dust is stuck on to the bar magnets. Which one is correct? Why?

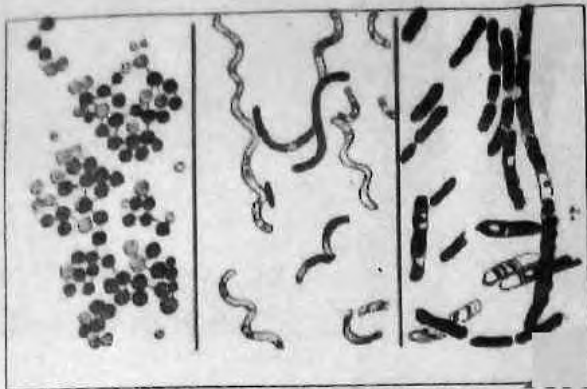


- B) Making use of the properties of magnets, design two toy cars which do not

collide with each other.

Activity - VII

Observe the picture



- A) Identify the organisms in the figure. To which group do they belong?
- B) Name another organism which belongs to the same group
- C) How do the absence of decomposers affect the eco-system?

Activity VIII

- A) Choose the correct statements from the following.
 1. The freely suspended magnet comes to rest in the east-west direction.
 2. Magnetic force is strongly felt at the end portions of a magnet.
 3. The freely suspended magnet comes to rest in the south-north direction.
 4. Magnet attracts all objects.
- B) Picture of a bar magnet and its broken pieces when fallen down are given below.

Mark the poles of the broken bar magnet pieces, A and B and explain



Bar magnet



A

Broken pieces

B

Activity - IX

A) Select the appropriate one and complete the table.

Carbohydrate, protein, fat, minerals

Mutton, Greengram, dried fish, gooseberry, rice, chappatti

Vitamins

For proper health and smooth functioning of physiological activities.

Gooseberry, fruits

.....

For the development and growth of the body.

.....
.....

.....

Gives the energy that we need to do work.

.....

- b) What is the reason for including a lot of carbohydrate and tubers in the diet of an athlete?
- c) Which is the most essential vitamin for the health of the eyes?

Activity - X

a) Arrange the given organisms appropriately according to the titles of the table given below.

Fungus, Tiger, Rabbit, Bacteria, Tapioca, Grass

Producers	Consumers	Decomposers
(a).....	(b).....	Fungus
(c).....	(d).....	(e).....