



# ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION

## First Term Test – 2018



Sub : Science

Class : 4 A, B & C

F.M. : 45

Duration : 1hr 30 mins

Date : 26.04.2018

(Marks will be deducted for untidy work, spelling mistakes and work not done in systematic manner).

### SECTION – A

#### 1. Fill in the blanks:

(5x1=5)

- Pickle is preserved with ..... and oil.
- The broad flat part of the leaf is called.....
- The food that we eat daily is called.....
- Foods that is naturally rich in vitamin A are ..... in colour.
- The process by which heavy, insoluble particles in a solution settle down at the bottom of a container is called.....

#### 2. Name the following:

(5x1=5)

- A vitamin good for the eyes.....
- A vitamin good for teeth and bones.....
- An important mineral that the body needs to make haemoglobin.....
- The nutrient group found on the top of a food pyramid.....
- A diet that contains all the nutrients in right quantities.....

### SECTION – B

#### 3. Answer in short:

- How can we store water? (1+1+1=3)
- How does the plant and the animal help us? (1+2=3)  
Name two programmes that help in protecting plants and animals.
- How can food be preserved? (3)
- What are breathing roots? (3)
- Give reasons for the following: (1+1+1=3)
  - Food should be cooked in enough water and excess water should not be thrown away.
  - Extra food and vegetables should be kept in refrigerator.
  - Food should not be overcooked.

### SECTION – C

#### 4. Answer the following Questions

- Why do we need food? (5)
- Where do non-green plants grow? From where do they get their food and nutrition? Give an example. (2+2+1=5)
- Differentiate between Land breeze and Sea breeze. (5)
- Differentiate between sedimentation and decantation. Draw and colour a diagram to support your answer. (3+2=5)



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### SECTION – A

#### 1. Fill in the blanks:

(5x1=5)

- Pickle is preserved with salt and oil.
- The broad flat part of the leaf is called lamina
- The food that we eat daily is called diet
- Foods that is naturally rich in vitamin A are green, yellow, red and orange in colour.
- The process by which heavy, insoluble particles in a solution settle down at the bottom of a container is called sedimentation

#### 2. Name the following:

(5x1=5)

- A vitamin good for the eyes vitamin A.
- A vitamin good for teeth and bones vitamin D
- An important mineral that the body needs to make haemoglobin iron
- The nutrient group found on the top of a food pyramid fats
- A diet that contains all the nutrients in right quantities balanced diet

### SECTION – B

#### 3. Answer in short:

- a. How can we store water?

(1+1+1=3)

**Ans.** Water can be stored in the following ways:

- Keep drinking water covered
- Wash your hands before taking out water from the vessel
- Keep buckets and containers covered

- b. How does the plant and the animal help us?

(1+2=3)

Name two programmes that help in protecting plants and animals.

**Ans.** Plants and animals help to maintain the balance of oxygen and carbon dioxide in nature.

The two programs which help in protecting plants and animals are Wild life Protecting Program and Forest Conservation Program.

- c. How can food be preserved?

(3)

**Ans.** Fruit can be preserved by

- Refrigeration
- Adding oil, sugar and salt
- Dehydration

- d. What are breathing roots?

(3)

**Ans.** The roots that do not get enough air, so they grow out from the sides and help the plants to breathe. These are called breathing roots. E.g. Sundari mangrove trees

e. Give reasons for the following:

(1+1+1=3)

i) Food should be cooked in enough water and excess water should not be thrown away.

**Ans.** Food should be cooked in enough water and excess water should not be thrown away as there will be loss of nutrients.

ii) Extra food and vegetables should be kept in refrigerator.

**Ans.** Extra food and vegetables should be kept in the refrigerator to keep it fresh.

iii) Food should not be overcooked.

**Ans.** Food should not be over cooked because it will destroy the nutrients.

### SECTION – C

#### **4. Answer the following Questions**

a. Why do we need food?

(5)

**Ans.** Food is the fuel for the body.

. It gives us energy to work and play.

. It helps the body to grow.

. It repairs the damaged parts of the body.

. It keeps the body healthy.

. It helps the different parts of the body to work properly.

b. Where do non-green plants grow? From where do they get their food and nutrition? Give an example. (2+2+1=5)

**Ans.** Some non-green plants grow on dead leaves and animals. They get their food and nutrition from dead and decaying plants and animals. Mushroom is an example of a non-green plant.

c. Differentiate between Land breeze and Sea breeze.

(5)

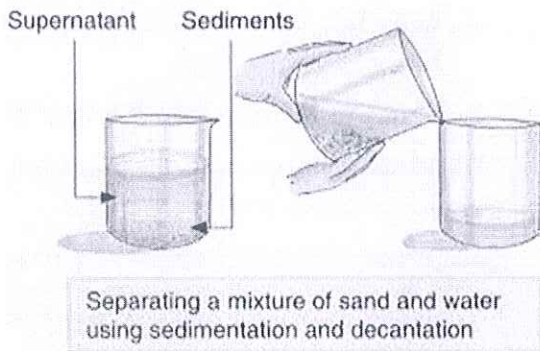
**Ans.** Sea breeze: During the day, the land heats up faster than the sea water. The hot air from the land rises and cool air from the sea rushes to take its place. So, the wind blows from the sea towards the land. This is called sea breeze.

Land breeze: At night the land cools faster than the sea water. The air above the sea water is warmer than the air above the land. Warm air rises and cool air from the land rushes towards the sea. This is called land breeze



d. Differentiate between sedimentation and decantation. Draw and colour a diagram to support your answer. (3+2=5)

**Ans.** The process by which sediments settle down at the bottom of the glass / container is called sedimentation. The process by which water can be transferred from one container to another, without disturbing the sediments is called decantation.



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