



BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
MID TERM 2024-25
SUBJECT: SCIENCE



Class: IV

Date: 21/9/24

Admission no.:

Name :

General Instructions:

Duration: 2 hr

Max Marks: 40

Roll no. :

* Attempt questions based on specific instructions for each part.

I. Fill in the blanks by using the words given in the help box. 1 x 5

[leaves, bats, submerged, marsupials, Calcium, omnivores]

1. Wings of **bats** are made of thin layers of skin .
2. **Calcium** makes our bones and teeth strong.
3. **leaves** are called the food factory of a plant.
4. Animals that carry their young ones in their pouch are called **marsupials** .
5. Underwater plants are also called **submerged** plants.

II. Match the following. 1 x 5

A		B
1. proteins	d	a. parasites
2. protozoa	c	b. aquatic plant
3. larva of housefly	e	c. fungi
4. bedbug	a	d. body- building food
5. water lily	b	e. maggot

III True or false 1 x 5

1. Food can be eaten either raw or cooked. - True
2. The flat part of the leaf is called leaf blade. - True
3. Fish lay their eggs on land. - False

4. It is not safe to share passwords on the internet. - True
5. Vitamin B is called the sunshine vitamin. - False

IV. Answer the following questions in brief. (Any 8)

8 x 2

1. What rules should we follow in a zoo?
 1. Do not attempt to touch the animals.
 2. Do not feed the animals

2. State the functions of the following :
 - i) Tongue- It helps in swallowing the food . It also help us to speak.
 - ii) Teeth – Its main function is to bite and chew the food . It also help us to speak

3. Name the various nutrients present in food.
The nutrients present in different food items are carbohydrates, fats ,proteins, vitamins and minerals.

4. Write any two healthy eating habits.
 1. Eat a balanced diet that contains all nutrients in adequate quantities. It helps in overall development and growth.
 2. Do not eat too much processed food. It may cause ill health, obesity and dental cavities

5. What rules should we follow on the beach?
 1. Do not swim in the water alone.
 2. Do not go too far into the water.

6. Describe one similarity between sea horse and kangaroo.
Sea horse carries its eggs around in a pouch. Kangaroos also have a pouch on their body to carry their young ones.

7. Give two differences between aquatic animals and amphibians.

aquatic animals	amphibians
Live in water	Live in water and land both
Can breathe in water	Can breathe in water and land both
Fish , dolphin	Toad ,salamander

8. What are the things needed by a plant to prepare food?
Plants need carbon dioxide, water from soil and sunlight is trapped by chlorophyll.

9. List two examples of Terrestrial and aquatic plants.
Terrestrial plant- Palm trees , Banyan
Aquatic plants- hydrilla, water lily

10. Why do desert plants need adaptations to survive?
To store large amounts of water.
To prevent the loss of water through transpiration.
To absorb as much water as possible from the ground.

VI. Answer these questions. (Any 3)

3 x 3

1. Write any three ways to preserve food with examples.
 1. Freezing – If food is stored in refrigerator, it can be preserved for longer time. The low temperature inside does not allow the growth of microbes.
 2. Canning – Some items such as juices and jams, they are sealed in cans after removing the moisture from them. This prevents the growth of microbes.
 3. Boiling – Boiling kills the germs in it.
 4. Drying – Food is dried or dehydrated to preserve it.

2. Why do we require a balanced diet?

We require a balanced diet because it contains all the nutrients such as carbohydrates, fat, proteins, vitamins, minerals and roughage in correct amount.

3. Write any three ways to take care of our teeth.
 1. Do not eat too many sweets and chocolates.
 2. Rinse your mouth after every meal.
 3. Use toothpaste with fluoride in them as they help in removing the plaque.

4. Describe the process of digestion that takes place in the stomach.

The stomach is a hollow bag made of muscles. It contains digestive juices, which further break down the proteins present in food into a simpler form. Food remains in the stomach for about four hours. The juices in the stomach also kill the harmful bacteria.

5. Write any three internet safety rules.
 1. Do not give any kind of personal information on the internet.
 2. Do not accept online requests of strangers.
 3. Do not share the passwords with anyone other than your parents.

*****Best of Luck*****