



Ponder over it: In our India to increase in food grain production Dr M. S. Swaminathan started green revolution In 1963. In agriculture high-yielding wheat seeds were introduced in India. Also, modern farming methods began to be used at large scale in India. So He is known as the 'Father of the Green Revolution in India.

### Choose the correct option

- The \_\_\_\_\_ is an edible part of potato plant  
(a) leaf (b) root (c) **stern**√ (d) fruit
- We can sprout seeds in \_\_\_\_\_  
(a) rocks (b) **water**√ (c) oil (d) none of these
- The sprouted seeds contain more  
(a) carbohydrates (b) fats (c) **vitamins** √ (d) water
- The edible part of the apple plant is \_\_\_\_  
(a) leaf (b) root (c) Stem (d) **fruit** √
- we eat root of \_\_\_\_\_  
(a) mustard (b) rajma (c) chili (d) **radish**√
- The colour of the structures grown out from the sprouted seeds is  
(a) black (b) **white**√ (c) red (d) green

### Fill in the blanks:

- We get sugar from Sugarcane
- We get milk from Cow and buffalo.
- Honeybees store honey in their honey stomach.
- Rice and water are two ingredients of boiled rice.
- Animals that eat both plant products and flesh of other animals are called Omnivores

6. Bacteria and fungi are called \_\_\_\_ decompose \_\_\_\_.

7. We should not \_\_\_\_ waste \_\_\_\_ food in any way.

8. Honeybees are kept in \_\_\_\_ beehive \_\_\_\_ for rearing.

### Very Short Answer Questions:

1. What are the animals that eat only plants and plant products called?

Ans: Herbivores

2. Name four food items we get from animals.

Ans: Egg, Meat, milk, Ghee

3. Name two edible stems.

Ans: Potato , sugarcane

4. What are the materials needed to prepare food items called?

Ans: Ingredients

5. What is the rearing of honeybees on a large scale called?

Ans: apiculture

6. Name two plants whose flowers are eaten as vegetable.

Ans: Cauliflower, Braccoli

### Short Answer Questions:

1. Why do we need food?

Ans: We need food (i) to get energy (II) grow and replace worn out cell (iii) protect body from diseases

2. What are edible parts? Give name of one.

Ans: Part of plants that are eaten by humans is called edible parts. Wheat, pea and rice are plant whose edible part is seed

3. Honeybees work hard to collect nectar from flowers.

(a) Where is this nectar stored? (b) What value do you learn from honeybees?

Ans (a) bee hive (bee stomach) (b) Hard work is key of success.

4. How can food problem be solved? Give two ways.

Ans: Food problems be solved by (i) Avoid wastage of food (ii) Using modern technology and best practices in agriculture

5. How are scavengers and decomposers useful to us ?

Ans: scavengers and decomposers feed on dead plants and animal. In this way they decompose waste and keep our environment clean and enrich nutrients in soil.

6. What Is food chain? Give one example.

Ans: One who eats what in the environment is called food chain. Eg. Grass -> Zebra->Lion

## F. Long Answer questions:

1. How will you sprout seeds?

Ans: At first wash the seeds in water, drain the water. Keep seeds in bowl and cover it with a wet cloth and leave them for another day. The next day, you will see the seeds have sprouted.

2. Distinguish between (a) herbivores and carnivores (b) scavengers and decomposers

Ans: (a) Animals which eat only plants or plant products are called herbivores eg cow, goat. Animals which eat flesh of other animals are called carnivores eg lion, Tiger.

(b) An animal that feeds on dead organisms or by hunting live prey is called scavengers. Eg. Vultures, hyenas, and wolves. They help break down or reduce organic material into smaller pieces. These smaller pieces are then eaten by other organism called decomposers eg, earthworm, fungi, bacteria.

## HOTS (Higher Order Thinking Skills) questions:

1. Your mother makes food in the kitchen. Is she a 'producer'? Why/Why not?

Ans: No. My mother is not a producer as she uses ingredients obtain from plants

## Solve the following crossword puzzle:

### Across:

1. animals that eat both plants and flesh of other animals

Ans: Omnivores

2. Rearing of honeybees on a large scale is called

Ans: Apiculture

### Down

3. the materials needed to prepare food items

Ans: ingredients

4. a tasty and nutritious food item we get from honeybees

Ans: Honey

5. the parts of the plant which can be eaten are called parts

Ans: edible part