**CLASS-VII**

**CH – 1 NUTRITION IN PLANTS**

**Q1. Multiple choice questions:**

1. Which of the following is autotrophic?

a) Insects b) Maize Plant c) Humans d) Earthworm

2. Animals and non-green plants are called as -

a) Heterotrophs b) Autotrophs c) Saprotrophs d) Parasites

3. Food synthesised by green leaves is transported to the other parts of plant by -

a) Roots b) Stem c) Leaves d) Flowers

4. The plants from which a parasite gets its food is called the -

a) Heterotroph b) Saprotrophs c) Host d) Autotrophs

**Q2. Fill ups:-**

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a mutually beneficial relationship.
2. Fungi, bacteria and mushrooms are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bacteria convert atmospheric nitrogen into compounds that plants can use.
4. Fertilisers and manures contain plant nutrients such as \_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_.
5. Crops require lot of nitrogen to make \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. In \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ photosynthesis takes place in green stem.

**Q3. Define:-**

1. Photosynthesis 2. Symbiotic relationship 3.Nutrition 4.Insectivorous plants

**Q4. Very Short Question**

1. Write down the equation to summarise photosynthesis?

2. Where does the bacterium Rhizobium live?

3. What are the small pores on the under surface of the leaves called?

4. What is the mode of nutrition in fungi?

**Q5. Short questions:-**

1. Why do some plants show heterotrophic mode of nutrition?
2. Why do leguminous plants have root nodules?
3. What are Lichens ?
4. Why do farmers not add nitrogen fertilisers in soil in which leguminous plants are grown?

**Q6 Long Questions**

1. With the help of example, discuss how leaves of insectivorous plants are modified to trap

insects?

2. Describe how green plants obtain the raw material that are necessary for photosynthesis?