

# BHARATH COACHING CENTRE

7<sup>th</sup>CBSE

Science

Total: 50

Nutrition in Plants

Time: 1.30 hrs

## SECTION – A

5 X 1 = 5

1. Symbiotic association is seen in which of the following?  
a) Lichens      b) Algae      c) Fungi      d) Bacteria
2. The ultimate source of food on earth is  
a) Plants      b) Animals      c) Sunlight      d) Proteins
3. In the plant of cactus leaves are modified into  
a) Branches      b) Spines      c) Leaf vein      d) Pitcher
4. Insectivorous plant among the following is  
a) Lichen      b) Cuscuta      c) Pitcher plant      d) Bread mould
5. Farmers use manure and fertilizers to replenish  
a) Plant      b) Soil      c) Air      d) Fungi

## SECTION – B

5 X 2 = 10

1. Algae are green in colour. Why?
2. What do you understand by nutrition?
3. Why is cuscutta, categorized as a parasite?
4. Why are insectivorous plants called partial heterotrophs?
5. What is saprophytic mode of nutrition?

## SECTION – C

7 X 5 = 35

1. Differentiate autotrophs and heterotrophs.
2. What is photosynthesis? What are the raw materials required?
3. Some plants have deep red, violet or brown colored leaves. Can these leaves perform the photosynthesis?
4. How would you test the presence of starch in leaves? Explain.
5. Explain the process of replenishment of soil.
6. Plants are ultimate source of food. Explain with a sketch.
7. What are the functions of guard cells and lysosomes?