## SAINIK SCHOOL GOPALGANJ SUB: SCIENCE CLASS - VII

## <u>ASSIGNMENT</u>

**Lesson: 1: Nutrition In Plant** 

(Q1 to Q5) Given below are the four options against each question out of which select any one which you consider the most appropriate:

- 1. In the absence of which of the following will photosynthesis not occur in leaves?
  - (a) Guard cell
- (c) Chlorophyll

(b) Vacuoles

- (d) All
- 2. Pitcher plant traps insect because it
  - (a) is a heterotrophs
  - (b) grows in soils which lack in nitrogen
  - (c) does not have chlorophyll
  - (d) has a digestive system like a human being
- **3.** Iodine used to detect presence of starch. It gives starch
  - (a) Red colour

- (b) Green colour
- (b) Blue- black colour
- (d) Colourless appearance
- **4.** Which of the following Statements is /are correct?
  - (i) All green plants can prepare their own food.
  - (ii) Most animals are autotrophs
  - (iii) Carbon dioxide is not required for photosynthesis
  - (iv) Oxygen is liberated during photosynthesis

Choose the correct answer from the options below:

(a) (i)and (iv)

(c) (ii) and (iii)

(b) (ii) only

- (d) (i) and (ii)
- **5**. Which of the following is essential for protein synthesis?
  - (a) Water

- (c) Nitrogen
- (b) Carbon dioxide
- (d) Hydrogen

## **Short type Answer Questions:**

- 6. How do fungi obtain their food?
- 7. What is a symbiotic relationship? Give examples.
- 8. In which part of plant is food made? How does it obtain raw materials for making food?
- 9. How do plants synthesize proteins which are nitrogenous compound?
- 10. Leaves of plants grow in many patterns to trap the most of the sunlight. Explain giving examples.

## **Long type Answer Questions:**

- 11. Nitrogen is an essential nutrient for growth plants. But farmers who cultivate pulse crops like green gram, Bengal gram, black gram etc. do not apply nitrogenous fertilizers during cultivation. Why?
- 12. Some plants have deep red, violet or brown leaves. Do these leaves also carry out photosynthesis? Explain. Write the name of such plants.
- 13. Draw the diagram of a cross-section of a leaf and stomata and label them.
- 14. A piece of bread is moistened and placed in warm place for two-three days. Write your observation. If you find any change, write the reasons of change by applying your knowledge.
- 15. How is it possible to protect our articles at home and crops in field from getting spoiled by fungi?

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