

# **AIS Learning**

## **B.Sc. Biological Sciences - Botanical Science**

### **Practice Tutorial**

#### **Lesson 01: Introduction To Botanical Science**

**1. Plant Classification:**

- a. What is taxonomy in the context of plants?
- b. Name the main plant kingdoms.

**2. Plant Cell Structure:**

- a. Describe the basic structure of a plant cell.
- b. What is the function of the chloroplast?

**3. Photosynthesis:**

- a. Define photosynthesis.
- b. List the reactants and products of the photosynthesis process.

**4. Plant Reproduction:**

- a. Explain the difference between sexual and asexual reproduction in plants.
- b. Name two methods of asexual reproduction in plants.

**5. Plant Growth Hormones:**

- a. Name three plant growth hormones.
- b. Explain the role of auxins in plant growth.

**6. Plant Tissues:**

- a. Define meristem tissue.
- b. What is the function of vascular tissue in plants?

**7. Plant Adaptations:**

- a. Provide an example of a desert plant adaptation.
- b. How do aquatic plants adapt to their environment?

**8. Plant Diseases:**

- a. Name a common fungal disease affecting plants.
- b. What are some methods to prevent the spread of plant diseases?

9. Ecology and Plants:

- a. How do plants contribute to the carbon cycle?
- b. Explain the concept of mutualistic relationships involving plants.

10. Economic Importance of Plants:

- a. Name three crops that are staple foods for humans.
- b. How are plants used in the production of medicine?

Try those questions by yourself and submit your answers to us.

We can evaluate it for you!!!!

Happy Learning!!!!

-Evaluation Team AIS Learning