

## **Subject: BOTANY:**

Class: 11<sup>th</sup>

Maximum Marks:35.

### Section: A (1x4=4)

1. This terrestrial plant group is dependent on water for fertilization. They are called "Amphibians of Plant Kingdom". Name the group.
2. The vascular bundles in dicot stem is conjoint, collateral and open. What does that mean?
3. This tissue gives rise to all other types of tissues. What is its name?
4. Label the below drawn diagram.

### Section: B (2x3=6)

5. What are the demerits of two kingdom system of classification?
6. How is Osmosis different from Diffusion?
7. What are Long day plants? Give two examples of LDPs.

Or

Plants require Macronutrients and micronutrients for proper growth and development. What are macro and micro-nutrients?

### Section: C (3x5=15)

8. Explain Binomial Nomenclature. Write the name of Man as per this system.
9. What are the characteristic features of kingdom Monera?

Or

What do you understand by the term Herbarium? Mention few major Herbaria located in India.

10. Define inflorescence. Explain its types.
11. Explain the Mechanism of opening and closing of stomata.
12. Show Glycolytic pathway with the help of a diagram.

### Section: D (5x2=10)

13. Write down the various features of Angiosperms.

Or

Define root. What are the various modifications of dicot and monocot root?

14. Explain Non-cyclic Electron transport pathway of Photosynthesis.

Or.

What are plant growth regulators? Explain the role of Auxins and Gibberellins in plants.