**B.Sc. 1st Semester (Major) Internal Examination, 2024(Under NEP)**

**Subject: Botany (Major)**

**Paper: BOTN1011**

**(Plant Diversity and Evolution)**

**Time: 30 mint. Full Marks: 10**

**Answer any two questions from the followings.**

1. Describe the process of transduction in Bacteria with proper diagram. 5

1. Write down the different types of sexual reproduction found in Algae with examples.5
2. With suitable diagram describe the lysogenic cycle in Bacteriophage. 5
3. Describe the anatomical structure of *Selaginella* stem. 5
4. Diagrammatically represent the sporophye structure of *Funaria*. 5
5. Explain range of thallus structures found in algae with suitable examples. 5

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