

Exam. Code : 103206

Subject Code : 1327

B.A./B.Sc. 6<sup>th</sup> Semester

BOTANY (Ecology)

Paper-VI-A

Time Allowed—3 Hours]

[Maximum Marks—35

**Note** :— Attempt **five** questions in all. Question 1 is compulsory. Attempt any other **four** questions from Section B. Each question carries 7 marks.

**SECTION—A**

**Note** :— Each part carries 1 mark.

1. Define the following :

- (i) pH of water
- (ii) Difference between silt and clay
- (iii) Climax
- (iv) Beta diversity
- (v) Flow of energy in an ecosystem
- (vi) Detritivores
- (vii) Closed forest.

**SECTION—B**

**Note** :— Attempt any **four** questions.

2. Discuss the various layers of atmosphere and the role of each in ecosystem development.
3. How soil salinity limits the growth of plants ? Explain.
4. Describe characteristics and classification of a community.
5. Give an example of ecological succession of an aquatic body of your area.
6. Give different types of population growth curves, and the factors which determine the type of growth.
7. What are gaseous biogeochemical cycles ? Describe any one.
8. Give an account of tropical forests of India.
9. Define Landscape. How biodiversity is affected by patch size ?