**Hiralal Mazumdar Memorial College for Women, Dakshineswar**

**Department of Botany,**

**Semester II, Botany Generic Elective / Core Course**

**Plant Ecology and Taxonomy**

**COURSE CODE: BOTHGEC02T/ BOTGCOR02T UNIT – 1 & 2**

**QUESTION BANK**

**by**

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**Department of Botany**

1. **QUESTIONS FOR 1 MARK.**
2. What do you mean by humification?
3. Define soil.
4. What is podsolization?
5. What is gleization?
6. Name two physical and chemical components of soil.
7. Write the definition of soil profile.
8. Name the various states of water in the environment.
9. What is ecotone?
10. What is edge effect?
11. Define ecological succession.
12. What is nudation?
13. What is invation?
14. What is ecesis?
15. Define the climax community.
16. Who proposed the law of tolerance?
17. Name various types of plant succession.
18. Mention one character of plant population.
19. What is carrying capacity (k)?
20. Define biotic community.
21. Write two components of plant community.
22. Define frequency.
23. What do you mean by density?
24. Define abundance.
25. Mention two qualitative characters of plant community.
26. Name two quantitative characters of plant community.
27. What do you mean by stratification?
28. Define life form.
29. What do you mean by phenerophyte?
30. What is cryptophytes or geophytes?
31. Name one synthetic character of plant community.
32. Name one hydrophytic plant.
33. Define xerophytic plant.
34. What do you mean by sunken stoma?
35. Name one hydrophytic and xerophytic plant.
36. **QUESTIONS FOR 3 MARKS**

1. Distinguish between ecotone and edge effect.

1. Briefly describe the concept of climax.
2. Distinguish between primary and secondary succession.
3. Briefly describe the components of soil.
4. Explain the shelford law of tolerance.
5. Compare the adaptive features between hydrophytes and xerophytes
6. Write a short note on the variation of light and temperature.
7. What are the limiting factors of light and temperature?
8. Describe the structure of sunken stoma with suitable diagram.
9. Describe variable types of plant succession.
10. Write different states of water found in environment.
11. **QUESTIONS FOR 5 MARKS**
12. Write a short note on soil profile with suitable diagram.
13. Discuss the characteristics of community.
14. Describe the process of ecological succession.
15. Describe how plants can survive in xerophytic conditions with suitable diagram.
16. Describe the process of soil formation.
17. Write a short note on hydrophytic adaptation of plants with suitable diagram.