

M.Sc. Sem II Examination
 BOTANY
 BOT- 408: PLANT ECOLOGY

Time: 3 hours

Marks: 70

Note:

1. All questions are compulsory.
2. Draw neat and labelled diagrams where required.

- Q.1. A) Write a note on: Principles of Limiting factors. (7)
 OR
- Q.1. A) Describe the abiotic factors in detail. (7)
 Q.1. B) Describe Ecosystem structure and its types. (7)
 OR
- Q.1. B) Draw and write a note on: Phosphorus Cycle. (7)
 Q.2. A) Which are the Qualitative Characters of Plant community? Explain. (7)
 OR
- Q.2. A) Write a note on: Ecological Niche. (7)
 Q.2. B) Name the types of seral stages and Explain: Xerosere. (7)
 OR
- Q.2. B) Explain the Invasive species and its threat. (7)
 Q.3. A) What is an ozone hole? Describe the consequences of ozone hole in detail. (7)
 OR
- Q.3. A) Which are the greenhouse gases? How are they affecting the planet and what steps are needed to be taken to reduce GHG emissions? (7)
 Q.3 B) What Pollution and Write down the steps to reduce water pollution. (7)
 OR
- Q.3 B) Write a short note on: EIA. (7)
 Q.4. A) Name the components and types of Remote Sensing. (7)
 OR
- Q.4. A) Write down the applications of Remote Sensing in Oceanography and Forestry. (7)
 Q.4 B) Write a note on RADAR and its applications. (7)
 OR
- Q.4 B) What is GPS and Explain its functions and Uses. (7)
- Q.5. Short Questions.
1. State Liebig's Law of Minimum. (2)
 2. What is a Quadrant? Name the different types of Quadrates. (2)
 3. What is succession? Name the different stages of succession. (2)
 4. What does "Niche" mean? Name the types of Niche. (2)
 5. Explain Speciation. (2)
 6. What is Biodiversity? (2)
 7. What does GIS stand for? What is its use? (2)