

**A-041**

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## **MSCBOT-602**

**M.Sc. Botany (MSCBOT)**

**Plant Ecology**

3rd Semester Examination June, 2024

Time : 2:00 Hrs.

Max. Marks : 70

**Note :-** This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

### **Section-A**

**(Long Answer Type Questions) 2×19=38**

**Note :-** Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

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P.T.O.

1. Write detailed note on ecological factors of ecosystem.
2. Define community ecology. Give a detailed note on its structure and development.
3. Write short notes on any *two* of the following :
  - (a) Noise pollution
  - (b) Ecological pyramid
  - (c) Ozone layer
  - (d) Biotic component
4. What do you understand by pollution. Give a detailed note on water pollution its causes, effects and control measures.
5. Define biogeochemical cycles. Give a detailed note on Nitrogen Cycle.

### **Section–B**

**(Short Answer Type Questions)      4×8=32**

**Note** :- Section 'B' contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Food chain.
2. Explain ecological niche.

3. Comment on loss of biodiversity.
4. Difference between Hazardous and Non-Hazardous Waste.
5. Comment on ecological adaptation.
6. Homeostasis.
7. Define hydrosphere.
8. Global warming.

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