

**A-1213**

Total Pages : 3

Roll No. ....

**MSCBOT-602**

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

**Plant Ecology**

Examination February, 2026

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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( 1 )

P.T.O.

1. Explain biogeochemical cycles. Describe Nitrogen cycle in nature with well labelled diagrams.
2. What do you understand by Succession ? Explain Hydrosere with diagram too.
3. Write explanatory notes on the following :
  - (a) Difference between Hazardous and Non-hazardous waste
  - (b) Ecological Pyramid
4. Write explanatory note on ecosystems of the world.
5. Explain Water pollution its sources, effects and preventive measures.

### **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.

Write notes on the following

1. Write briefly about conservation strategies for biodiversity.

2. Explain Food chain briefly.
3. Write briefly about sigmoid curve of the population.
4. Write a short note on Acid-rain.
5. Write about the layers of the atmosphere.
6. Differentiate between primary and secondary productivity.
7. Write a short note on land degradation.
8. Write briefly about Ecotypes.

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