

A-0019

Total Pages : 3

Roll No.

MSCBOT-602

M.Sc. Botany (MSCBOT)

(Plant Ecology)

Examination, June 2025

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.

1. Write a detailed note on “Primary and Secondary Succession” in terrestrial ecosystems with proper examples.
2. Explain biogeochemical cycles in detail citing an example of Carbon Cycle.
3. Write short notes on any two of the following :
 - (a) Energy flow in ecosystem
 - (b) Ecological niche
 - (c) Prevention and control of land degradation
 - (d) Noise pollution
4. Explain various conservation strategies at global scale in detail.
5. Write a detailed note on Population, characteristics, growth patterns and its interaction with environment.

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. Give a general account on Ecotones.
2. Write detail account on “Sustainable Ecosystems.”
3. Define “Nuclear winter.”
4. Define Chaparral Biome.
5. Write a short note on Biomagnification of pesticides.
6. Differentiate between “Gross and Net Primary Productivity”.
7. Write a brief note on “Coral Reefs.”
8. What is invasive species ? Give your answer with suitable examples.
