

A-0019

Total Pages : 3

Roll No.

MSCBOT-602

M.Sc. BOTANY (MSCBOT)

(Plant Ecology)

3rd Semester Examination, Session December 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.

1. Explain various types of terrestrial ecosystems in detail.
2. Write a detailed note on Land Pollution and its impact on ecosystems.
3. What do you mean by ecological adaptations and survivorship ? Explain your answer with proper examples.
4. Give a general account on any *two* of the following :
 - (a) Atmosphere
 - (b) Co-evolution of species
 - (c) Ecotypes
 - (d) Nitrate pollution
5. Explain the concept of “Ecosystem Management” for sustainable development.

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. Write a note on “Ocean Acidification”.
2. Explain “Industrial Revolution and its impact on Climate Change”.

3. Write a note on “Silent Spring”.
4. Differentiate between “Primary and Secondary Sewage Treatment” methods.
5. Discuss about “Symbiotic Nitrogen Fixation.”
6. Differentiate between “Exponential and Logistic Population Growth.”
7. Write a brief note on Wildlife Conservation in India.
8. Differentiate between “Upright and Inverted Pyramid of Biomass” with examples.
