

A-0037

Total Pages : 3

Roll No.

MBOT-606

M.Sc. BOTANY (MSCBOT)

(Biostatistics and Ecology)

4th Semester Examination, Session December 2024

Time : 2:00 Hrs.

Max. Marks : 35

Note :- This paper is of Thirty Five (35) 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) 2×9½=19

Note :- Section 'A' contains Five (05) Long-answer type questions of Nine and Half (9½) marks each. Learners are required to answer any two (02) questions only.

1. What is ecosystem ? What are the various components of it ?
2. Describe chief soil types of India.
3. What is greenhouse effect ? Discuss the causes of global warming.
4. What is pollution ? What are the various pollutants causing environmental pollution ?
5. Describe nitrogen and carbon cycle.

Section–B

(Short Answer Type Questions) 4×4=16

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

1. What is biodiversity ? Describe different types of biodiversity.
2. Write brief notes on ozone depletion and ozone hole.
3. Describe Raunkier’s life forms classes of plant community.
4. What is meant by energy flow in an ecosystem ?

5. Briefly discuss application of computers in biology.
6. What are different causes of loss of biodiversity ? In what ways it can be checked.
7. Describe ecological pyramids in brief.
8. Describe various methods of studying plant community in brief.
