

A-1223

Total Pages : 3

Roll No.

MBOT-606

M.Sc. Botany (MSCBOT)

Biostatistics and Ecology

Examination February, 2026

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.

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(1)

P.T.O.

1. Define climate change. What are the causes and consequences of climate change ?
2. Explain the principles of Chi-square test and its applications.
3. What are biogeochemical cycles ? Discuss in detail about the nitrogen cycle.
4. Give a detailed account on biodiversity concept. Discuss in-situ and ex-situ conservation with examples.
5. What do you mean by environmental pollution ? Give a brief account of air pollution.

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. Discuss in brief about Greenhouse effect.
2. Differentiate between Local Area Network (LAN) and Wide Area Network (WAN).
3. What is ecology ? Define different fields of ecology.

4. Differentiate between natural and artificial ecosystem with example.
5. Discuss in brief about Eutrophication.
6. What is Bioinformatics ? Describe its main components and applications.
7. Write a short note on characteristics of Community ecology.
8. Give a brief note on Ozone layer and its significance.
