

A-1069

Total Pages : 03

Roll No. -----

MSCZO-508

Environmental Biology

M.Sc. Zoology (MSCZO)

Examination 2026(Feb.)

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)

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.

[2x19=38]

P.T.O.

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- Q.1. What do you understand by Competition? Describe inter-specific and intra-specific competition with suitable examples.
- Q.2. Define Succession. Give an account of general process of succession in nature.
- Q.3. Give an account of sources and pollutants of air pollution. Suggest suitable methods of its control.
- Q.4. Define Community. Discuss the various features that characterize a community.
- Q.5. Define a population. Give a concise account of various characteristics of a population.

Section-B

(Short-Answer-Type Questions)

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.

[4x8=32]

- Q.1. Define biodiversity. Why biodiversity rich in tropics.

- Q.2. Write a short note on account of endangered flora & fauna of India.
- Q.3. Define niche and outline the historical development of niche concepts.
- Q.4. What is biomedical waste? Write short account of biomedical waste management.
- Q.5. What are the factors that regulate population growth and how do they impact population dynamics?
- Q.6. What is optimal foraging theory and how does it explain the behavior of animals?
- Q.7. What are the species (endemic species specifically) and how are they measured?
- Q.8. What are the different types of edges & ecotones and how do they differ in terms of their ecological characteristics?
