

A-0102

Total Pages : 3

Roll No.

MSCZO-508

M.Sc. ZOOLOGY (MSCZO)

(Environmental Biology)

2nd 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 population growth curve.
2. Write in details about global environmental changes.
3. Explain in details about **Lotka-Volterra** predation equation.
4. Discuss how global change is affecting the flora and fauna in Ecosystem.
5. Write in details about the causes and effects of water pollution.

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. What is community structure ? Discuss.
2. Explain Inter-specific relationship.
3. Write short note on key-stone species.
4. Explain the role of predation a nature.

5. Explain **Shannon-Weiner** Index.
6. Write in brief about commensalism.
7. Explain major drivers of diversity changes.
8. Discuss the concept of climax in brief.
