

P-213

Total Pages : 3

Roll No.

MSCZO-508

Environmental Biology

M.Sc. Zoology(MSCZO)

2nd Semester Examination, 2023 (June)

Time : 2 Hours]

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.

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.

(2×19=38)

1. What is succession? Explain its causes, trends and types.

2. Elaborate gaseous pollutants and how they lead to formation of smog?
3. Explain species diversity and its types. What are various factors leading to diversity loss?
4. Write a detailed note on global environmental changes and the factors responsible for them.
5. What is water pollution? Describe its types and sources.

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. (4×8=32)

1. Explain population growth forms with the help of S-shaped and J-shaped population growth curves.
2. Explain the following:
 - (a) Ecotone.
 - (b) Edge effect.
 - (c) Ecological indicators.

3. Describe several biotic and abiotic factors of ecosystem.
 4. Explain the term symbiosis giving suitable examples.
 5. Describe various theories related to climax species in the process of ecological succession.
 6. Elaborate the terms inter-specific and intra-specific competition giving suitable examples.
 7. What is Green House effect? Explain the role of Carbon-dioxide in green house effect.
 8. Explain the formation of smog and its climatic effect.
-

