

P-508

Total Pages : 3

Roll No.

EVS-606

Ecophysiology and Ecotoxicology

M.Sc. Environmental Science (MSCES)

4th 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. Candidates should limit their answer 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.

(2×19=38)

- 1.** Explain the ecological interactions. Describe the types of ecological interactions in detail.

2. What is Allelopathy? Discuss in detail about the history and types of allelopathy.
3. What are the environmental factors which affects the development and growth of plants? Discuss in detail.
4. Describe the biological management of environmental factors for plant growth and development in detail.
5. Explain in detail about the Bioaccumulation and Biomagnification.

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. Describe about the carbon cycle in detail.
2. Discuss in detail about the Respiration.
3. Describe in detail about the various effects of toxicants on human health.
4. Explain about the hazardous/toxic material transport and dispersion in the atmosphere.

5. Discuss in detail about the ecotoxicants types and sources of ecotoxicants.
 6. Discuss in detail about the Thermoregulation.
 7. Describe the Crassulacean Acid Metabolism (CAM) cycle or the dark fixation of CO_2 in succulents.
 8. Give the detailed comparison of the plants of C3 and C4 cycle.
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