

K-788

Total Pages : 3

Roll No.

EVS-606

Ecophysiology and Ecotoxicology

M.Sc. Environmental Science (MSCES-21)

4th Semester Examination, 2023 (Dec.)

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 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.

(2×19=38)

1. Discuss in detail about the cold temperature stress in plants.
2. What do you understand from the environmental stress? Discuss the various environmental factors which create environmental stress.
3. What do you understand from the term ecotoxicology? Explain why the study of ecotoxicology is important?
4. Describe the multidisciplinary significance of ecotoxicology in detail.
5. Discuss the classification of ecotoxicants in detail.

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 the water relation mechanism in plants.
2. Explain about the relationship between high altitude and human beings.
3. How the various environmental factors can be managed biologically? Explain.

4. Write a brief account on aquatic toxicology.
 5. Discuss about the dispersion of Hazardous/Toxic material in the atmosphere.
 6. Explain the following :
 - (a) Alkaloids.
 - (b) C₃ Plant.
 7. What are the effects of the ecotoxicants on food chain and food web?
 8. Describe the regulation of seasonal rhythms.
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