

S-697

Total Pages : 3

Roll No.

EVS-501

Environment and Ecology

M.Sc. Environmental Science (MSCES)

1st Semester Examination, 2022 (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.

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 are the various physical factors of the environment?
Explain in detail.

2. Define Environmental Science? Discuss the scope and importance of Environmental Science.
3. Discuss in detail about the various local agencies involved in environment protection.
4. What is sustainability? Discuss about the pillars of sustainability and indicators of sustainability.
5. What is Ecosystem? Define structure and components of an ecosystem.

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. Write a brief note on environmental challenges.
2. Discuss the guiding principles of environmental education given in Tbilisi Conference (1977).
3. What is ecological niche? Discuss classification of niche.
4. Comment on survivorship curves.

5. Define population. Describe its various properties by using appropriate examples.
 6. Explain ecosystem modelling and its components?
 7. Define Ecological Engineering? What is the basic concept of Ecological Engineering ?
 8. Write briefly about the limiting factors.
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