

K-775

Total Pages : 3

Roll No.

ENS-501

Environment and Ecologys

M.Sc. Environmental Science (MSCES)

Ist 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. What is ecology? Describe its principles and importance in forest management and environmental impact analysis.
2. What is global warming? Describe causes and consequences of global warming.
3. What is environmental education? Discuss the role of adult and women in education.
4. What are the major ecosystems of the world? Describe forest and pond ecosystem in detail.
5. What is the energy flow of an ecosystem? Show that it is unidirectional.

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. What is food chain? Discuss its types.
2. What do you mean by population? Describe the characteristics of population.

3. Write short notes on grazing and browsing.
 4. Describe composition of earth.
 5. Describe Nitrogen (N) cycle in the atmosphere with sketch diagram.
 6. Discuss ecological niche.
 7. What is trophic structure? Discuss the pyramid of biomass.
 8. Describe climatic factors in detail.
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