

# C948

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## EVS-501

### Environment and Ecology

M.Sc. Environmental Science (MSCES-21)

1st Semester Examination, 2022 (June)

**Time : 2 Hours]**

**Max. Marks : 80**

**Note :** This paper is of Eighty (80) 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 Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Write an extended note on human activities and its impact on our environment.

2. What do you understand by environmental factors? Discuss various physical factors of environment in detail. Also discuss the law of limiting factors.
3. Write an extended note on sustainable development.
4. Define ecology and ecosystem. Discuss the structure and function of an ecosystem in detail.
5. What do you understand by ecological interactions? Discuss various types of ecological interactions along with examples. Also discuss the concept of niche.

## **SECTION-B**

### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any Four (04) questions only. (4×10=40)

Discuss in brief :

1. Population regulation.
2. Ecosystem modelling.
3. Abiotic and biotic components of environment.
4. Global warming and climate change.

5. Eutrophication and bio-magnification.
  6. Carbon and Nitrogen cycle.
  7. Pesticides and environment.
  8. Toxic wastes.
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