

# C953

Total Pages : 3

Roll No. ....

## EVS-506

### Environmental Physics and Chemistry

M.Sc. Environmental Science (MSCES-21)

2nd 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. What is light? Discuss the various sources of light and the effects of light on plants and animals.

2. Describe in detail about the temperature and its effects on living organisms.
3. What do you understand by the humidity? Describe in detail the various effects of humidity.
4. Explain the fire and its sources. What are the impacts of fire on soil?
5. What do you understand by the topography? Describe the role of topography in ecosystem.

**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)

1. What is precipitation ? Explain in detail about the types of precipitation.
2. Describe in detail about the wind and its influences on plants.
3. What do you understand by the latitude and longitude? Explain in detail.
4. Write a brief account on landform and kinds of landforms.

5. What is photochemical smog? Explain in detail.
  6. Write a brief account on air pollution and its effects on human health.
  7. Describe the physical and chemical characteristics of water in detail.
  8. What is acid rain ? Discuss the various effects of acid rain.
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