

A-0863

Total Pages : 3

Roll No.

ENS-601/EVS-605

ATMOSPHERE AND CLIMATE CHANGE

M.Sc. Environmental Science (MSCES)

Examination, June 2025

Time : 2:00 Hrs.

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 2×19=38

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.

1. Explain earth's crust and its internal structure and composition with suitable illustration.
2. Write an extended note on the thermal structure of earth.
3. What are the various factors that affect heating and cooling of the atmosphere? Discuss in detail.
4. What is the relationship between the Atmospheric Pressure and Wind? Discuss the various factors affecting atmospheric pressure.
5. What is meant by 'Climate control'? What are the various natural factors that determine the climate of a place? Discuss in detail.

Section–B

Short Answer Type Questions 4×8=32

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.

1. Write a short note on the factors affecting atmospheric temperature in the troposphere.
2. What is the "Coriolis Effect"? Explain with suitable illustrations.
3. Differentiate between weather and climate. Also discuss briefly about climate change.
4. Briefly discuss sustainable development goals.

5. Discuss the process of ozone depletion in the stratosphere.
6. How climate change impacts human health? Briefly discuss.
7. What are the remedial measures that overcome the effects of climate change? Discuss briefly.
8. What is IPCC? Briefly explain.
