

A-0923

Total Pages : 3

Roll No.

ENS-601/EVS-605

M.A./M.Sc. (Environmental Science) (MSCES)

Atmosphere and Climate Change

Examination February, 2026

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.

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(1)

P.T.O.

1. Write an extended note on earth's crust and its internal structure. Also discuss the thermal structure of the atmosphere.
2. What do you understand by atmospheric properties ? Discuss in detail.
3. What are the sources of heat for the earth and its atmosphere ? Discuss in detail the mechanism of heating and cooling of the atmosphere.
4. What is meant by global temperature distribution ? Discuss in detail the various factors responsible for it.
5. Write an extended note on climate change and its impacts. Also discuss the role of human beings in climate change and related issues.

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. Ocean-atmosphere interaction and its feedback mechanism.

2. Climate change and agriculture
3. Temperature inversion and its types.
4. Ozone hole and impacts of ozone depletion
5. Impacts of climate change on human health.
6. International efforts to combat climate change
7. Intergovernmental Panel on Climate Change (IPCC).
8. Sustainable development goal climate change and food security.
