

P-507

Total Pages : 3

Roll No.

EVS-605

Atmosphere and Climate Change

M.Sc. Environmental Science (MSCES)

4th Semester Examination, 2023 (June)

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 answer 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. Write an extended note on the origin and evolution of Earth.

2. Discuss in detail the structure and composition of earth's atmosphere.
3. What do you understand by the Lapse rate? Discuss in detail. Also discuss the various factors affecting heating and cooling of the atmosphere.
4. Write an extended note on global temperature distribution.
5. Write a detailed note on climate change and food security.

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. Discuss the concept of heat budget and temperature inversion.
2. What are the factors affecting atmospheric pressure? Discuss in brief.
3. Differentiate between weather and climate. Briefly discuss climate controls also.
4. Write a short note on climate change due to anthropogenic activities.

5. Briefly discuss "Ozone depletion and climate change ".
 6. Explain the impacts of climate change on different sections of society.
 7. Discuss the national efforts to combat climate change.
 8. Write a short not on "Kyoto protocol".
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