

A-1024

Total Pages : 3

Roll No.

ENS-601/EVS-605

M.Sc. ENVIRONMENTAL SCIENCE (MSCES)

(Atmosphere and Climate Change)

3rd/4th Semester Examination, Session December 2024

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. Write an extended note on the origin of the universe and the origin of earth.
2. What is meant by Geological Time Scale ? Discuss various geological time eras in detail.
3. Discuss in detail the mechanism and importance of atmospheric heating and cooling.
4. Why is the temperature of different parts of the globe not the same ? Discuss the factors responsible for unequal distribution of temperature.
5. Discuss with illustration the different feedback mechanisms operating in oceans and the atmosphere.

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 seasonal variation in the atmospheric pressure.
2. Who gave the most popular empirical classification of climate ? Discuss his classification briefly.
3. Write a brief note on 'climate change and food security'.

4. Briefly discuss the adaptation and mitigation strategies to climate change.
5. “Ozone depletion may have serious impacts on our ecosystem”. Briefly justify the statement.
6. What is meant by anthropogenic greenhouse gases ? Discuss in brief.
7. Write a short note on ‘Montreal Protocol’.
8. Briefly discuss ‘Kyoto Protocol’.
