

P-513

Total Pages : 3

Roll No.

ESC-604

Global Environmental Issues-I

M.Sc. Environmental Science (MSCES)

3rd Semester Examination, 2023 (June)

Time : 2 Hours]

[Max. Marks : 35

Note : This paper is of Thirty Five (35) 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 Nine and Half ($9\frac{1}{2}$) marks each. Learners are required to answer any Two (02) questions only.
($2 \times 9\frac{1}{2} = 19$)

- 1.** Write an extended note on earth's energy and radiation budget.

2. What do you understand by sea level rise? Which cities of the world will be most vulnerable due to it? Discuss the reasons, its impacts and consequences in detail.
3. What are greenhouse gases? How they are responsible for global warming and climate change? Discuss in detail.
4. Write an extended note on green solutions for combating global warming and climate change.
5. Discuss properties of ozone and mechanism of its formation and deletion in the atmosphere. Discuss the impacts of ozone layer depletion in detail.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Four (04) marks each. Learners are required to answer any Four (04) questions only. (4×4=16)

Briefly discuss:

1. Consequences of climate change.
2. Greenhouse Gases and global warming.
3. Carbon dioxide concentration in the atmosphere.

4. Geostationary Earth Radiation Budget.
 5. Mechanism of ozone layer depletion.
 6. Ozone hole.
 7. Ozone and climate change.
 8. Human induced climate variations.
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