

**C947**

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## **ESC-604**

### **Global Environmental Issues-I**

M.Sc. Environmental Science (MSCES-20)

3rd Semester Year Examination, 2022 (June)

**Time : 2 Hours]**

**Max. Marks : 40**

**Note :** This paper is of Forty (40) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

### **SECTION–A**

#### **(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Ten (10) marks each. Learners are required to answer any Two (02) questions only.

(2×10=20)

1. What is the role of greenhouse gases in earth's radiation budget? Explain the earth's radiation budget with suitable sketch.

2. What is meant by global warming? Explain CO<sub>2</sub> cycle. Also discuss the green solutions to control global warming.
3. What is the importance of stratospheric ozone layer? Discuss the mechanism of ozone formation and ozone depletion.
4. What is meant by climate change? Discuss the natural and human induced climate variations in detail.
5. Write an extended note on possible changes in physical and biological systems with climate change across the globe.

### **SECTION-B**

#### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Five (05) marks each. Learners are required to answer any Four (04) questions only. (4×5=20)

1. Climate change and melting of glaciers.
2. Practice of 4 Cs to control climate change.
3. Ozone hole.
4. Agriculture and climate change.
5. CDM.

6. Montreal Protocol.
  7. Possible health hazards due to ozone layer depletion.
  8. Consequences of climate change.
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