

Roll No.

ES-554

Global Environmental Issues

M. Sc. ENVIRONMENTAL SCIENCE (MSCEN-13)

Second Year, Examination, 2017

Time : 3 Hours

Max. Marks : 60

Note : This paper is of **sixty (60)** marks containing **three (03)** sections A, B and C. Learners are required to attempt the questions contained in these sections according to the detailed instructions given therein.

Section-A

(Long Answer Type Questions)

Note : Section 'A' contains four (04) long answer type questions of fifteen (15) marks each. Learners are required to answer *two* (02) questions only.

1. What do you understand by global warming and climate change ? Discuss its impacts with particular reference to India. Also discuss the mitigation measures that should be taken to combat it.
2. What is stratospheric ozone layer ? Discuss its formation, causes and mechanism of depletion. Also discuss the environmental threats associated with it.
3. What are the causes of nuclear accidents ? Discuss the impacts or consequences of nuclear accidents in detail.
4. Write a detailed note on Globalization.

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 *four* (04) questions only.

1. Write a short note on earth's radiation budget.
2. What is sea level rise ? Explain the reasons and also discuss the possible threats associated with it.
3. What is global warming ? Explain the reasons and consequences of global warming.
4. Explain the green solutions for global warming control and also discuss lifestyle changes that may help in combating it.
5. Discuss "how agriculture is also responsible for global warming".
6. Explain the impacts of acid rains on ecosystems.

Section-C**(Objective Type Questions)**

Note : Section 'C' contains ten (10) objective type questions of one (01) mark each. All the questions of this section are compulsory.

Write True/False against the following :

1. IPCC stands for International Panel on Climate Change.
2. Clean Development Mechanism (CDM) was proposed in the Kyoto Protocol.
3. The stratosphere is located above mesosphere.
4. Chernobyl nuclear disaster occurred on 16 April 1986.
5. Nuclear fusion is the process of splitting of nucleus into roughly equal particles and release of energy.

Choose the correct alternatives.

6. Climate refers to :
 - (a) Synonymous to weather
 - (b) Average weather conditions of an area
 - (c) Short-term average weather conditions of an area
 - (d) Long-term average weather conditions of an area
7. Ozone depleting potential (ODP) of CFC 11 is :
 - (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
8. The least harmful UV type is :
 - (a) UV A
 - (b) UV B
 - (c) UV C
 - (d) UV D
9. PFCs is meant for :
 - (a) Parafluorocarbons
 - (b) Perfluorocarbons
 - (c) Pentafluorocarbons
 - (d) Parfluorocarbons
10. Which of the following is C4 plant ?
 - (a) Wheat
 - (b) Rice
 - (c) Corn
 - (d) Soyabean

