

Roll No. ....

Total Pages : 2

CMDE/M-24

4688

## POLLUTION AND GLOBAL CLIMATE CHANGE

Paper–MES–203

Time Allowed : 3 Hours]

[Maximum Marks : 80

**Note** : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

### Compulsory Question

1. Write short notes on the following : 4×4=16
- (a) Particulate matter.
  - (b) Radiative forcing.
  - (c) Water quality standards.
  - (d) IPCC.

### UNIT–I

2. Discuss the sampling and analysis of SO<sub>x</sub> and NO<sub>x</sub> as Air pollutants. 16
3. Write notes on the following :
- (a) Noise Pollution-sources and its impacts. 8
  - (b) Properties of Air pollutants. 8

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### UNIT–II

4. Define Soil pollution. Discuss the causes and remedial measures to control soil pollution. 16
5. Write short notes on the following :
- (a) Biochemical aspects of Water pollution. 8
  - (b) Marine pollution. 8

### UNIT–III

6. Discuss the impacts of Global warming on the following : 2×8=16
- (a) Polar Ice Caps and melting of Glaciers.
  - (b) Human Health.
7. Define Greenhouse effect. Discuss the causes and impacts of Greenhouse effect by highlighting the Warming potential of different greenhouse gases. 16

### UNIT–IV

8. What is Carbon sequestration? Discuss in detail the role of Geological formations in Carbon sequestration. 16
9. Write short notes on the following : 2×8=16
- (a) Ice cores.
  - (b) Kyoto Protocol.

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