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M.Sc. 2nd Semester Open Elective Course w.e.f. May-2017

Examination, May-2019

ENVIRONMENTAL SCIENCE

Paper-16 ENV01

Environmental Issues

*Time allowed : 3 hours]*

*[Maximum marks : 80*

*Note : Question No. 1 is compulsory. Question No. 2 to 7 include two questions in each unit and candidates should attempt at least one question from each unit. Overall, five questions are to be attempted. All questions carry equal marks.*

1. Attempt the following questions : 8×2=16
- (a) Global warming.
  - (b) Name any four ozone depleting substances.
  - (c) Give any four environmental problems associated with urbanization.
  - (d) Give ecological effects of eutrophication.
  - (e) Define chemical oxygen demand.
  - (f) Define tailing during mining process.
  - (g) Define particulate matter to (PM<sub>10</sub>).
  - (h) Write down the full form of DDT.

Unit-I

2. What is green house effect ? Why have experts become worried about the green house effect now ? 16

3. Write note on the following :
- (a) Deforestation 8
  - (b) Human population growth. 8

### Unit-II

4. Discuss the following :
- (a) Desertification 8
  - (b) Human intervention on wetlands. 8
5. Write short note on the following :
- (a) Open cast mining 8
  - (b) Reclamation of mining. 8

### Unit-III

6. Define air pollution. Write its various causes and effects on environment. 16
7. Write short note on the following :
- (a) Characterization, disposal and management of solid waste. 8
  - (b) Residual toxicity from pesticides. 8