

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