

335203

May, 2019

**B.Sc. (Mathematics/Physics/Chemistry) II SEMESTER
Environmental Science (BEVS-101/EVS-101)**

Time : 3 Hours]

[Max. Marks : 75

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. Define the following :
 - (a) Sustainable development. (1.5)
 - (b) Lentic water body. (1.5)
 - (c) Pyramid of energy. (1.5)
 - (d) Desertification. (1.5)
 - (e) Renewable energy sources. (1.5)

- (f) Genetic biodiversity. (1.5)
- (g) Ex-Situ conservation of biodiversity. (1.5)
- (h) Noise pollution. (1.5)
- (i) Global warming. (1.5)
- (j) Earthquake. (1.5)

PART-B

2. Describe the following :
- (a) Multidisciplinary nature of environmental studies. (5)
 - (b) General process of ecological succession. (10)
3. (a) Write in detail about the function of an ecosystem. (7.5)
- (b) Define ecosystem. Describe aquatic ecosystem. (7.5)
4. Write short notes on the following :
- (a) Land degradation. (5)
 - (b) Causes and impact of deforestation. (5)
 - (c) Non renewable energy sources. (5)
5. Explain the following :
- (a) Levels of biological diversity. (5)
 - (b) Threats to biodiversity. (5)
 - (c) Endangered species of India. (5)

6. Write notes on the following :
- (a) Soil pollution. (5)
 - (b) Solid waste management. (5)
 - (c) Nuclear hazard. (5)
7. Describe the following :
- (a) Ozone layer depletion. (5)
 - (b) Cyclones. (5)
 - (c) Kyoto protocol. (5)