

**S. Y. B. SC. (BIOTECHNOLOGY) SEM – IV (CBCS - 2015  
COURSE) : WINTER - 2017**

**SUBJECT : ENVIRONMENTAL BIOTECHNOLOGY**

Day : Friday  
Date : 27/10/2017

Time : 02.00 PM TO 05.00 PM  
Max. Marks : 60

**W-2017-0943**

**N.B.:**

- 1) **Q.No.1 and Q.No.5 are COMPULSORY.** Out of the remaining questions attempt **ANY TWO** questions from each sections.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Figures to the right indicate **FULL** marks.

**SECTION – I**

- Q.1** Answer **ANY FIVE** of the following: [10]
- a) Give composition of lithosphere.
  - b) Describe the nitrogen cycle in nature.
  - c) Give types of natural resources.
  - d) Describe hydrological cycle in nature.
  - e) Explain the ways of loss of biodiversity.
  - f) Write about environmental impact of ozone depletion.
- Q.2** Answer the following: [10]
- a) Define the biodiversity and explain the need for its conservation.
  - b) What do you mean by biogeochemical cycle? Explain any one of the cycle.
- Q.3** Answer the following: [10]
- a) Discuss various problems associated with climate change.
  - b) Define sustainable development and its need for today's World.
- Q.4** Answer the following: [10]
- a) Discuss the ecological significance of biodiversity.
  - b) Elaborate on abiotic factors of grassland ecosystem.

**SECTION – II**

- Q.5** Answer the following: [10]
- a) Write an account of marine pollution in India.
  - b) Discuss importance of biomass in energy management.
- Q.6** Answer the following: [10]
- a) Methods of air pollution monitoring techniques.
  - b) Mention the characteristics of municipal refuse.
- Q.7** Write short notes on the following: [10]
- a) Soil erosion
  - b) Composting
- Q.8** Describe about effects of noise pollution and human health and give the control measures. [10]

**OR**

What are primary air pollutants? Discuss their sources and relative contribution to air pollution.

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