

**S. Y. B. SC. (BIOTECHNOLOGY) SEM – IV (CBCS - 2015  
COURSE) : SUMMER - 2018**

**SUBJECT : ENVIRONMENTAL BIOTECHNOLOGY**

Day : **Friday**  
Date : **06/04/2018**

Time : **10.00 am to 01.00 pm**  
Max. Marks : 60

**S-2018-1054**

**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 the atmosphere.
  - b) Explain the ways of loss of biodiversity.
  - c) Name the significant biotic and abiotic factors of forest ecosystem.
  - d) Discuss various categories of threatened species with examples.
  - e) Give composition of lithosphere.
  - f) Discuss the problems related to climate change.
- Q.2** Answer the following: **[10]**
- a) What is the global scenario of biodiversity conservation?
  - b) Enlist the characteristics of biosphere.
- Q.3** Answer the following: **[10]**
- a) What is sustainable development? Discuss its significances.
  - b) Explain types of natural resources and need for their conservation.
- Q.4** Answer the following: **[10]**
- a) Discuss the biotic elements of grassland ecosystem.
  - b) Mention the implications of various biogeochemical cycles on the living system.

**SECTION – II**

- Q.5** Answer the following: **[10]**
- a) Define the term environmental pollution and its effect on human health.
  - b) Discuss some preventive measures to control eutrophication.
- Q.6** Answer the following: **[10]**
- a) Give significance of BOD and dissolved oxygen in water quality assessment.
  - b) Write about effects of noise pollution on human health.
- Q.7** Write short notes on the following: **[10]**
- a) Radiation hazards
  - b) Acid rain
- Q.8** What are the sources of water pollution? Explain the need of water management. **[10]**

**OR**

Define the term Biopesticides. Describe the types of biopesticides and explain its merits and demerits.

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