

**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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