

**B.TECH. SEM -I (2007 COURSE) (ALL BRANCHES) : WINTER -
2017**

SUBJECT : ENVIRONMENTAL STUDIES

Day **Saturday**
Date **20/01/2018**

Time **10.00 AM TO 01.00 PM**
Max. Marks : 80.

W-2017-2346

N.B.:

- 1) Q. No. 1 and Q. No. 5 are **COMPULSORY**.
- 2) Out of the remaining attempt any **TWO** questions from Section-I and any **TWO** questions from Section-II.
- 3) Both the sections should be written in **SEPARATE** answer books.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.
- 5) Assume suitable data, if necessary.
- 6) Figures to the **RIGHT** indicate full marks.

SECTION-I

- Q.1**
- a) Write short note: Lithosphere. (05)
 - b) Explain structure and function of ecosystem. (05)
 - c) How does deforestation causes deterioration of the quality of life in a tribal society. (04)
- Q.2**
- a) Differentiate between renewable and non-renewable natural resource. (07)
 - b) How individuals can involve themselves in the process of improving the environment? Explain. (06)
- Q.3**
- a) Distinguish between food chain and food web. (07)
 - b) Explain grassland ecosystem. (06)
- Q.4**
- a) What is biodiversity? Name and discuss the values that can be assigned to biodiversity. (07)
 - b) Write a note: Hotspots of biodiversity. (06)

SECTION-II

- Q.5**
- a) What is sustainable development? Explain. (05)
 - b) Discuss control measures of Municipal and industrial solid waste. (05)
 - c) Explain necessity of treatment of waste water. (04)
- Q.6**
- a) Discuss the causes and effects of air pollution. (07)
 - b) What is noise? Describe briefly the effects of noise on human health. (06)
- Q.7**
- a) What is thermal pollution? Explain its causes and effects. (07)
 - b) Write a note: Rain water harvesting. (06)
- Q.8**
- a) Explain Global warming. (07)
 - b) Discuss the methods and strategies of imparting value education. (06)

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