



I SEMESTER B.TECH. (Department of Civil Engineering)

END SEMESTER EXAMINATIONS – Nov/Dec 2017

Subject: Environmental Studies [CIE 1002]

**REVISED CREDIT SYSTEM
(/ / 2017)**

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Draw figures wherever necessary

1A.	Briefly explain the different factors controlling soil formation.	04	CO5
1B.	With the help of a neat sketch explain the structure of an atmosphere.	04	CO1
1C.	Explain the meaning of ‘ecobalance’.	02	CO1
2A.	Write a short note on : (i) Interlinking of Indian rivers (ii) Wind energy	04	CO9/CO5
2B.	Explain the two types of food chain with suitable examples.	04	CO3
2C.	What are the methods available for minimizing water logging conditions?	02	CO5
3A.	Explain any six processes of ecological succession.	03	CO3
3B.	What are the characteristics of Biomes?	03	CO3
3C.	Define alpha diversity. Write a short note on the value of Biodiversity.	04	CO4
4A.	With the help of a neat sketch explain the working principle of high volume air sampler.	03	CO6
4B.	Explain some of the main processes by which gaseous emissions are purified.	03	CO6
4C.	Write a short note on : (i) Coagulation (ii) Activated sludge process	04	CO6
5A.	What are the causes and harmful effects of Ozone layer depletion?	03	CO10
5B.	What are the benefits of Clean technology and which are the areas where it can be practiced?	03	CO10
5C.	Explain the eight step process involved in Preparing an EIA report.	04	CO7