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MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
A Constituent Institution of Manipal University

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

MAKE-UP EXAMINATIONS - JAN 2017

Subject: Environmental Studies [CIE 1002]

REVISED CREDIT SYSTEM
(/ /2016)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- ❖ Answer **ALL** the questions.
- ❖ Missing data may be suitably assumed.

1A.	Explain different layers of atmosphere and its importance.	04	CO1
1B.	Briefly explain the internal structure of earth with a neat diagram.	03	CO1
1C.	Explain nitrogen cycle with a neat diagram.	03	CO2
2A.	Define different biodiversity conservation strategies. Explain any two factors affecting biodiversity.	03	CO4
2B.	What is meant by ecological succession? Explain the process of succession.	04	CO3
2C.	What are the anthropogenic factors leading to the extinction of species and consequent loss of biodiversity? Explain any two.	03	CO4
3A.	With a neat sketch explain the working principle of bag filter	04	CO6
3B.	Explain the different ways to extract the energy from the oceans.	03	CO5
3C.	What is mining and what are its effects on the environment?	03	CO5
4A.	What is remote sensing? Briefly explain the role of computerization and information technology in achieving sustainable development.	05	CO9
4B.	How GIS will help in disaster management and mitigation?	03	CO9
4C.	Explain the different stages of disaster management.	02	CO8
5A.	What are the powers and functions of Pollution Control Boards? (Any eight)	04	CO7
5B.	Write a short note on energy efficient buildings.	03	C10
5C.	What is rainwater harvesting? Explain any one method of harvesting rainwater.	03	CO9