

- (b) Define Bioaccumulation, bioconcentration and biomagnification. 5
4. (a) Write the water treatment processes to reduce the water pollution. Describe in details. 5
- (b) Write a short note on water quality standards according to CPCB. Mention their classes with the optimum ranges 5
5. (a) Write short notes on the carbon cycle in the ecosystem. 5
- (b) Write short notes on the nitrogen cycle in the ecosystem 5
6. (a) What is biodiversity? Briefly explain the different levels of biodiversity. 2+3
- (b) Discuss the different uses of biodiversity. 5
7. (a) Write short notes on control measures of urban and industrial wastes. 5
- (b) Discuss the roles of an individual in prevention of pollution. 5
8. (a) Explain the in-situ and ex-situ conservation of biodiversity. 5
- (b) List 4 designated biosphere reserves in India. 2
- (c) Write short notes on threatened species of ecosystem. 3

B. Tech Odd Semester Examination, February, 2023

Agricultural Engineering

(7th Semester)

Course No.: OEC

(Environmental Engineering and Fundamentals) (Open)

Full Marks: 50

Pass Marks: 25

Time: 2 hours

- Note:**
1. Attempt any five questions.
 2. Begin each answer in a new page.
 3. Answer parts of a question at a place.
 4. Assume reasonable data wherever required.
 5. The figures in the right margin indicate full marks for the question.
 6. All the mathematical symbols and abbreviations have their usual meanings.
1. (a) Write short notes on air pollution with its health effects on human health. Also define the sources and types of major air pollutants. 5
- (b) What is Acid deposition or Acid Rain? Write the methods for reducing acid deposition and its damage. 5
2. (a) Write short notes on water pollution, its sources, and type of water pollutants. 5
- (b) What is Particulate Matter? How the particulate matters originate explain with examples. 5
3. (a) Write short notes on Global warming and Air Quality Index. 5

Turn Over