

END TERM EXAMINATION 2024

**B.TECH,
ENVIRONMENTAL SCIENCES**

SEM-II

TEV-201

Time: 3 Hour's

Maximum Marks: 100

Note:

- (i) All Questions are compulsory.
- (ii) Answer any two sub questions among a,b and c in each main question.
- (iii) Total marks in each main question are twenty.
- (iv) Each question carries 10 marks

Q1. (a) What is an ecological pyramid? Differentiate between pyramids of number, biomass and energy. CO1

(b) Describe aquatic ecosystem giving special emphasis on lake ecosystem. CO1, CO2

(c) What is a food chain and a food web? Explain the difference between the two. CO1

Q2. (a) What is the impact of the present trend of population growth on the availability of natural resources? CO2

(b) "Construction of big dams is essential for India". Explain your views against or in support of the statement. CO2

(c) Write a note on the conflicts over water around us. CO2, CO3

Q3. (a) Define biodiversity. How is it related to availability of genes, species and ecosystem of a region? CO3

(b) Write a note on efforts taken for biodiversity conservation. CO3

(c) What are the major threats to biodiversity? Discuss. CO3

Q4. (a) Describe the role of individual in prevention of pollution. CO3, CO4

(b) Write a note on common air pollutants and their sources and effects on human beings. CO4

(c) Write a note on e-waste and its mitigation. CO4

Q5. (a) What do you understand by the concept of sustainable development? CO5, CO4

(b) What is acid rain? Explain the steps to prevent acid rain? CO4

(c) What are the effects of global warming on the environment and what are the means to combat it? CO4