

## ENV 201

B. Tech. III<sup>rd</sup> SEMESTER EXAMINATION, 2025-26

### BACHELOR OF TECHNOLOGY

(CSE, ME, IT & ECE)

#### Environment and Ecology

Time : Three Hours]

[Maximum Marks : 75

**Note:** There are **three** sections (A, B and C) and candidate has to attempt questions from all sections. Marks are indicated against each section.

#### Section-A

1. Attempt all parts of the following :  $5 \times 3 = 15$
- (a) Define the term 'Environment' according to Environmental (Protection) Act, 1986.
  - (b) Define the term 'Sustainable Development'.
  - (c) Define Ecology and Ecosystem and also mention the main function of Ecosystem.
  - (d) What is the difference between food chain and food web.
  - (e) What is article 48A and article 51A(g) ?

## Section-B

**Note:** Attempt any four questions of the following :  $4 \times 5 = 20$

2. What is the main impact of agriculture activities on Environment ?
3. (a) Name and explain the various steps carried out in nitrogen Cycle ?

**Or**

- (b) With a neat sketch, explain how the elemental carbon is recycled in nature.
4. Discuss the water-borne diseases.
5. (a) Discuss the phenomenon of 'Greenhouse effect' What are its effects ?

**Or**

- (b) What is acid rain ? What are the causes and effects of acid rain ?
6. (a) Differentiate 'nuclear fusion' and 'nuclear fission' By suitable example and reactions.

**Or**

- (b) Discuss the importance of women education in developing India.

## Section-C

**Note:** Answer any **two** questions of the following :  $2 \times 20 = 40$

7. (a) What is 'Solid Waste'? Discuss their types, effects and name the various methods used to dispose solid wastes.
- (b) Differentiate renewable and non-renewable natural resources and briefly describe two alternative energy resources.
8. (a) Briefly describe the sources, effects and control of noise pollution.
- (b) Briefly discuss the Salient features of Environment (Protection) Act, 1986.
9. (a) Briefly describe the sources, effects and control of water pollution.
- (b) What is the role of NGOs in Environmental protection ?
10. (a) Enumerate different types of Ecosystem and explain any one of them in detail ?
- (b) Briefly describe the sources, effects and control of Air pollution ?

