

BBA / B. Com (Hons.) / B. Tech

Examination 2024-25

(Odd Semester)

**ENVIRONMENT AND ECOLOGICAL
SUSTAINABILITY**

Time : Three Hours]

[Maximum Marks : 60

Note :— Attempt all questions.

SECTION – A

1. Attempt all parts of the following : $8 \times 1 = 8$

- (a) Write about ecology.
- (b) What is pH acidic rain?
- (c) What are main objectives of environmental education?

[P. T. O.]

- (d) Which act is also known as umbrella act?
- (e) What is toxic limit of fluoride in drinking water as per WHO?
- (f) Write two examples of in-situ conservation of biodiversity.
- (g) What is biomagnification?
- (h) What is cause of blue baby syndrome?

SECTION – B

2. Attempt any two parts of the following: $2 \times 6 = 12$

- (a) Define term environment. Discuss different segments of environment in brief.
- (b) What is solar cell? Discuss application merits and demerits of solar cell.
- (c) Discuss food related problem in India. How food can be sustainably used to provide food security to people.
- (d) What is environmental legislation? Discuss the role of government in environment protection.

SECTION – C

Note:- Attempt all questions. Attempt any two parts from each question. $8 \times 5 = 40$

- 3. (a) Define term ecosystem. Discuss the function and structure of ecosystem and role of producers consumers and decomposers in an ecosystem.
- (b) What is ELR? Discuss temperature behaviour in different layer of atmosphere.
- (c) Differentiate between food chain and food web with suitable example.
- 4. (a) What are uses of minerals? Discuss the impact of mining on environment.
- (b) What is fluorosis? Discuss fluoride problem in drinking water and its removal techniques.
- (c) What is EIA? Discuss the methods of EIA and its benefits.
- 5. (a) Differentiate between primary and secondary air pollutants. Write the removal technique of particulate matter with special reference to electrostatic precipitator.

[P. T. O.]

- 0 (b) What is noise pollution? Write the physical, physiological impact and psychological effect of noise pollution. How it can be controlled?
 - 0 (c) What is solid waste? Write different types of solid waste. Discuss solid waste management.
6. (a) Define the term NGO's. Discuss the role of NGO's in environment protection.
- (b) What is biological diversity? Discuss the method of biodiversity conservation.
 - (c) What is environment management system (EMS)? Discuss different steps of EMS and its benefits.

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