

5. (a) What is air quality standard? Write National Ambient Air Quality Standard (NAAQS). Discuss causes, sources and control of air pollution.
- (b) What is biodiversity? Discuss the methods of biodiversity conservation.
- (c) Define water pollution. Write the sources of water pollution. Discuss the methods of Sewage Treatment Plants (STP).
6. (a) What is global warming? Write different green house gases. Discuss the impact of global warming and its control method.
- (b) What is environment management system? Discuss different steps of EMS.
- (c) What are main objectives of environmental education? Discuss role of women education in environment protection.

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No. of Printed Pages : 04

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 39806 Roll No. 1 2 3 4 5 6 7 8 9 0

BCA Examination 2023-24

(Even 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) In which layer of atmosphere ozonosphere layer are found?
- (b) What is the cause of minamata disease?
- (c) What is the main goal of EIA?
- (d) What is land subsidence?

[P.T.O.]

- (c) What is under nourishment?
- (f) What is the tolerance limit of sound in human beings?
- (g) What is the pH of acid rain?
- (h) Which articles have been introduced in 42nd amendment in constitution of India?

SECTION - B

2. Attempt any two parts of the following : $2 \times 6 = 12$
- (a) Define term ecology and ecosystem. Write different components of ecosystem. Discuss structure and function of an ecosystem.
- (b) What is environmental impact assessment? Write goal and benefits of EIA. Discuss different steps of EIA.
- (c) What are the major food related problem? Write about balance diet for human beings. Discuss sustainable use for food security in India.
- (d) What is environmental law? Discuss role of government in environment protection.

SECTION - C

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

3. (a) What is ecological pyramid? Discuss different types of ecological pyramid with suitable example.
- (b) What is nutrient cycle? Discuss different steps of nitrogen cycle with the help of neat and clean sketch diagram.
- (c) What is deforestation? Discuss causes, ill-effect and control measures of deforestation. How we can use forest resources in sustainable manner?
4. (a) What is fluorosis? Discuss fluoride problem in drinking water in India. Write the Nalgonda techniques of defluoridation.
- (b) What is mining? Discuss the impact of mining on environment.
- (c) What is photovoltaic cell? Discuss application of solar energy and merits and demerits of solar energy.

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