

# Question Paper Code : 6304

B.C.A. (Semester-I) Examination, 2019

## FUNDAMENTALS OF ENVIRONMENTAL SCIENCE

[Fifth Paper (BCA-105)]

Time : Three Hours]

[Maximum Marks : 70

Note : Answer five questions in all. Question No. 1 is compulsory. Besides this, attempt one question from each unit.

1. Answer the following questions : [10x3=30]

- (a) Describe flow of energy in an ecosystem.
- (b) What are the consequences of deforestation ?
- (c) What is acid rain ?
- (d) Explain Ecological Succession.
- (e) Explain ISO 14000 standards.
- (f) What is Environment Protection Act, 1986 ?

(g) Define disinfectants

(h) What is Eutrophication ?

(i) Explain the stability of an ecosystem.

(j) What are BS IV and BS VI standards ?

### UNIT-I

(a) Discuss about scope and need for public awareness of environment science. [5]

(b) Give an account of the structure and function of an ecosystem. [5]

(a) What are the major impacts of transportation and industry on environment ? [5]

(b) Write a detailed note on Environmental Impact Assessment. [5]

### UNIT-II

(a) Discuss the best alternative future energy resources. [5]

(b) Give a detailed note on nitrogen cycle with suitable diagram. [5]

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5. (a) Differentiate between the conventional and non-conventional sources of energy. [5]
- (b) Discuss in detail the availability and quality of water resources in India. [5]
9. (a) Describe two modern methods used in the analysis of pollutant. [5]
- (b) What do you understand by Green building concept? [5]

UNIT-III

6. (a) What is solid waste? Discuss in brief various types of solid waste. [5]
- (b) What is air pollution? What are its effect on human health? [5]
7. (a) Discuss the phenomenon of global warming along with its effects and control measures. [5]
- (b) What is population explosion and what are its consequences? [5]

UNIT-IV

- 8 (a) Comment, Environmental education can play an important role in environmental protection. [5]
- (b) Discuss in detail about the role of Central Pollution Control Board in environmental protection. [5]

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