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Total No. of Printed Pages: [01]

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B. Com (Hons.) (Semester – 5TH)
ENVIRONMENTAL POLLUTION
Subject Code: BCIE0F91
Paper ID: OE1140312

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

- Q1. Attempt the following:
- a) Define lapse rate.
 - b) What are primary and secondary air pollutants?
 - c) What is smog?
 - d) Define Dobson unit.
 - e) What is atmospheric stability? Name its types.
 - f) Define Stack Height.
 - g) How are sound power and intensity related?
 - h) Define octave bands.
 - i) Define Decibel.
 - j) List 04 Greenhouse gases.

Section – B

(5 marks each)

- Q2. Describe the sources, causes and effects of air pollution.
- Q3. Describe the methods for measurement of noise. How can noise pollution be controlled?
- Q4. What are the causes and effects of ozone depletion?
- Q5. Describe the Point Source Gaussian Plume Model along with its significance.
- Q6. Comment on the role of Central and State Pollution Control Boards in mitigating pollution in India.

Section – C

(10 marks each)

- Q7. Describe the plume behavior of air pollutants with suitable diagrams.
- Q8. Discuss the characteristics of water pollution and suggested treatment methods of Industries.
- Q9. Describe the Environmental Clearance Process to be followed for Industries and Infrastructural Projects, with suitable examples.