Roll No……..….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [09]

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.