

Roll No.....

Total No. of Printed Pages: 1

Total No. of Questions: [09]

B. Tech (ECE) (Semester – 5th)
ENVIRONMENTAL POLLUTION

Subject Code: BCIE0F91

Paper ID: [OE1111312]

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) Enlist the causes of air pollution.
 - b) Define land pollution.
 - c) List out the causes of Refinery Fires.
 - d) Define DOW fire index.
 - e) Differentiate between BOD and COD.
 - f) What do you understand by Occupational health hazards?
 - g) What is noise pollution?
 - h) What is the difference between onshore and offshore drilling?
 - i) What is the significance of Oil Mines Regulation Act in India?
 - j) Define palnt and equipment.

Section – B

(5 marks each)

- Q2. Describe the hazardous materials in relation to petroleum industry.
- Q3. What are the components of fire? How is fire classified?
- Q4. Discuss the types of sewage with examples.
- Q5. Comment on the safety aspects to be followed during drilling operations.
- Q6. Explain the importance and limitation of initial planning zone.

Section – C

(10 marks each)

- Q7. Describe HAZOP analysis. What are the Stages of a HAZOP Study?
- Q8. What are the characteristics of wastewater? Describe a Municipal Wastewater Treatment System.
- Q9. What is an Emergency Response Plan? What are the key components of an Emergency Response Plan?