Roll No…….. **Total No. of Printed Pages: 1**

Total No. of Questions: [11]

M. Sc. (Mathematics) (Semester – 3rd)
ENVIRONMENT MANAGEMENT
Subject Code: MCIE0F91
Paper ID: [OE1220518]

Time: 03 Hours **Maximum Marks: 60**

Instruction for candidates:

1. Section A is compulsory. It carries 16 marks. It consists of 4 questions of 4 marks each.
2. Section B consist of 4 questions of 8 marks each. The student has to attempt any 3 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 **(4 marks each)**

Q1. What is an environmental management system (EMS)? How is an EMS structured?

Q2. What are the different cleaner production techniques? Why are these required? Explain its benefits also.

Q3. Discuss different methodologies of EIA in detail.

Q4. Differentiate between wetland and wasteland. What is the importance of wetland in environment?

Section – B **(8 marks each)**

Q5. What do you mean by ozone depletion? Explain its causes and remedies in details.

Q6. What is the need for EIA in India? Discuss about the different constraints in implementation of EIA.

Q7. What are the standard practices followed for EIA studies?

Q8. (a) Explain the term Soil degradation and its effect.

(b) What do you mean by erosion and salinization? Discuss in detail along with their effects on the environment.

Section – C **(10 marks each)**

Q9. How EIA studies are the basis for sustainability? What are the important components of EIA?

Q10. What do you mean by deforestation? Discuss its effects on land use and Environmental quality.

Q11. Discuss in detail about the different types Environment pollutions, their causes measures.