

Code: 20CE2702A

**IV B.Tech - I Semester – Regular Examinations - DECEMBER 2023**

**ENVIRONMENTAL MANAGEMENT AND AUDIT**  
(Common for ALL BRANCHES)

Duration: 3 hours

Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.

2. All parts of Question must be answered in one place.

BL – Blooms Level

CO – Course Outcome

			BL	CO	Max. Marks
<b>UNIT-I</b>					
1	a)	Explain the concept of source reduction and provide examples of how it can be achieved in households and businesses?	L3	CO1	7 M
	b)	Discuss the role of individuals and households play in effective solid waste management.	L3	CO1	7 M
<b>OR</b>					
2	a)	Explain the significance of effective municipal solid waste management for public health and the environment.	L3	CO1	7 M
	b)	Explain how can community awareness and education programs help promote waste segregation and source reduction?	L3	CO1	7 M

## UNIT-II

3	a)	Discuss how does infectious biomedical waste differ from non-infectious biomedical waste?	L4	CO2	7 M
	b)	Elaborate the color-coding and labeling requirements for segregating biomedical waste.	L4	CO2	7 M

### OR

4	a)	Explain the protocols and safety measures involved in the collection of biomedical waste within a healthcare facility.	L4	CO2	10 M
	b)	Write short notes on some common sources of biomedical waste in healthcare facilities.	L4	CO2	4 M

## UNIT-III

5	a)	Describe the various types of electronic devices that contribute to e-waste.	L3	CO3	7 M
	b)	Explain the collection process of e-waste, including methods used together electronic devices.	L3	CO3	7 M

### OR

6	a)	Enumerate the environmental risks are associated with improper disposal methods for e-waste.	L3	CO3	7 M
	b)	Explain the impact of e-waste on soil quality and the potential consequences for agriculture and ecosystems.	L3	CO3	7 M

### **UNIT-IV**

7	a)	List and elaborate on the main objectives of conducting an Environmental Impact Assessment.	L4	CO4	7 M
	b)	Discuss how EIA helps identify potential impacts and propose mitigation measures?	L4	CO4	7 M

### **OR**

8		Describe the different levels or types of Environmental Impact Assessment, such as project-level, program-level, and strategic-level EIA.	L4	CO4	14 M
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### **UNIT-V**

9	a)	Explain the role of documentation and records in the environmental audit process.	L3	CO5	7 M
	b)	Discuss the role of audit teams and their composition during the audit process.	L3	CO5	7 M

### **OR**

10	a)	Elaborate the methods and techniques are commonly used during the audit activity phase.	L3	CO5	7 M
	b)	Discuss the importance of follow-up and corrective actions in the post-audit phase.	L3	CO5	7 M