

Code: 20CE2702A

**IV B.Tech - I Semester – Regular / Supplementary Examinations  
OCTOBER 2024**

**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)	Describe the physical and chemical characteristics of municipal solid wastes.	L3	CO1	7 M
	b)	Discuss the role of public participation in solid waste management.	L3	CO1	7 M
<b>OR</b>					
2	a)	What is source reduction in waste management? Discuss its significance.	L3	CO1	7 M
	b)	Describe the various methods of waste collection and transportation in urban areas.	L3	CO1	7 M
<b>UNIT-II</b>					
3	a)	Explain the primary objectives of biomedical waste management.	L3	CO2	7 M
	b)	Describe the types of containers used for biomedical waste.	L4	CO2	7 M

<b>OR</b>					
4	a)	Discuss the importance of segregation in biomedical waste management.	L4	CO2	7 M
	b)	Illustrate various disposal methods for biomedical waste.	L3	CO2	7 M
<b>UNIT-III</b>					
5	a)	Classify the types of e-waste and describe the main components found in common electronic devices.	L2	CO3	7 M
	b)	Describe the current e-waste management rules and regulations in India.	L3	CO3	7 M
<b>OR</b>					
6	a)	Discuss the importance of segregation in e-waste management.	L3	CO3	7 M
	b)	Discuss the health hazards associated with improper e-waste management.	L3	CO3	7 M
<b>UNIT-IV</b>					
7	a)	Explain the fundamental principles of EIA.	L3	CO4	7 M
	b)	Outline the key components of the Environmental Policy of India.	L3	CO4	7 M
<b>OR</b>					
8	a)	Explain the concept and significance of Rapid EIA.	L4	CO4	7 M
	b)	Discuss the process of baseline data acquisition in EIA.	L4	CO4	7 M

**UNIT-V**

9	a)	Explain the process of an environmental audit. What are the major phases involved in conducting an environmental audit?	L3	CO5	7 M
	b)	Discuss the activities carried out during the pre-audit phase.	L3	CO5	7 M

**OR**

10	a)	Describe the activities conducted at the audit site.	L3	CO5	7 M
	b)	Evaluate the benefits of conducting regular environmental audits for industries.	L3	CO5	7 M