



ITER, SIKSHA 'O' ANUSANDHAN (Deemed to be University)

Assignment

Branch	B. Tech all branches		Programme	B.Tech	
Course Name	Management Topic in Environmental Studies		Semester	7th	
Course Code	CHM 2049		Academic Year	2025-26	
Assignment- 2		Topic:			
Learning Level (LL)		L1: Remembering	L3: Applying	L5: Evaluating	
		L2: Understanding	L4: Analysing	L6: Creating	
Q's	Questions			COs	LL
1	Write the various techniques used for particulate material removal from air and explain mechanism of settling chamber to separate particulate matter from air with a schematic diagram.			CO2	L2
2	What is air quality index? Discuss its calculation criteria.			CO2	L3
3	Determine the equivalent sound power level from combining the four sound levels of 56, 68, 70, and 48 dB.			CO2	L3
4	Discuss municipal solid waste management technique with a suitable schematic diagram.			CO2	L2
5	Discuss the major natural and anthropogenic causes of global warming.			CO3	L2
6	Explain the mechanism of O ₃ layer depletion and suggest the remedial measures for minimizing O ₃ depletion.			CO3	L2
7	Differentiate industrial and photochemical smog. Explain mechanism of photochemical smog with a suitable schematic diagram.			CO3	L2
8	Define sustainable development; discuss various strategies of rainwater harvesting and watershed management			CO3	L2
9	Discuss the objective and function of environmental protection act 1986			CO3	L1
10	What is EIA? Discuss the EIA approval process of a newly proposed project with a suitable schematic diagram.			CO3	L3

Note:

1. Assignment carries a weightage of --- **marks out of 100**
2. All the course outcomes were covered.

Course Outcomes	CO1	Ability to understand the Environment, its importance, Environment and its segments, Natural resources, Structure and function of ecosystem, ecological succession, Biodiversity, its values and conservation strategies.
	CO2	Ability to distinguish different types of pollutants their measurement standard and analyze the pollution control strategy (Air, Water, Noise and MSW).
	CO3	Ability to understand environmental issue, their mitigations, ozone depletion, acid rain, global warming climate change, environmental legislation, rainwater harvesting, watershed management for sustainable development.
	CO4	Ability to understand the natural and manmade disaster, their cause and management. Mitigation strategies and operation plan. Discuss disaster preparedness and its principle. Ability to recognise and comprehend various causes, disaster management strategies for cyclone, flood.
	CO5	Ability to understand disaster response and understand the methods of response, Disaster recovery, compensation and coping strategy, Cause and

		management of Earthquake and fire disaster.
	CO6	To understand the role and responsibilities of Agencies (National and International), Role of Stakeholders, Role of media and community, Challenges in management of Disaster, Behavioral and ethical aspects of Disaster management, Causes and management of landslide and nuclear disaster. To analyses behavioral aspects and ethical issues in disaster management.