	ITER, SIKSHA 'O' ANUSANDHAN (Deemed to be University)		Assignment
Branch	**B. Tech all braches**	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**
11	What will be the sound power level combining the four sound levels of 56, 68, 71, and 48 dB.		
12	Write the impact of noise on health and the major noise reduction technique.		

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.