

# P P SAVANI UNIVERSITY

Sixth Semester of B. Tech. Examination (Backlog)

November 2022

SECH3560 Environmental Issues, Waste Management & EIA

07.12.2022, Wednesday

Time: 01:00 p.m. To 03:30 p.m.

Maximum Marks: 60

**Instructions:**

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

**SECTION – I**

		CO	BTL
Q - 1	Elaborate: Environmental Policies and Programmes In India.	[05]	1 1
Q - 2	Give Your Inputs On: Environmental Laws and Legislations.	[10]	1 2
<b>OR</b>			
Q - 2	Discuss the Overview of Life Cycle Assessment.	[10]	1 2
Q - 3	Discuss the stages of the Environmental Impact Assessment process.	[10]	4 3
<b>OR</b>			
Q - 3	What is integrated waste management hierarchy?	[10]	4 1
Q - 4	<b>Attempt any One.</b>	[05]	
(i)	What are the major elements of Mitigation in terms of Environmental Clearance?	3	2
(ii)	Who should use the iso 14001:2015 revision?	3	4

**SECTION – II**

Q - 1	Define EIA. Discuss the stages of the EIA process.	[05]	
Q - 2 (a)	What is LCA? Discuss ISO standards on LCA.	[05]	4 1
Q - 2 (b)	Discuss the Key Environmental Management Systems (EMS) concept.	[05]	1 1
<b>OR</b>			
Q - 2 (a)	What is Hazardous Waste? Classification of Hazardous Waste.	[05]	1 1
Q - 2 (b)	Explain the process of conducting LCA.	[05]	1 2
Q - 3 (a)	Explain the benefits of the EIA process.	[05]	
Q - 3 (b)	Explain: 14001:2004 vs. 14001:2015.	[05]	1 2
<b>OR</b>			
Q - 3 (a)	Discuss ISO 14001 environmental management systems (EMS) framework.	[05]	4 3
Q - 3 (b)	Explain the relation between Ecology and Environment.	[05]	4 1
Q - 4	<b>Attempt any One.</b>	[05]	
(i)	Explain Chipco Movement as far as environmental programs are concern.	3	2
(ii)	Explain the relation between Ecology and Environment.	3	4

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CO : Course Outcome Number

BTL : Blooms Taxonomy Level

Level of Bloom's Revised Taxonomy in Assessment

1: Remember	2: Understand	3: Apply
4: Analyze	5: Evaluate	6: Create