

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-VI (NEW) EXAMINATION – WINTER 2024

Subject Code:3163512

Date:02-12-2024

Subject Name: Environmental Management - III

Time:02:30 PM TO 05:00 PM

Total Marks:70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		MARKS
Q.1	(a) Write down the full form of SEIAA, SEAC and UNFCC.	03
	(b) Explain in brief the concept of Rain Water harvesting.	04
	(c) “EIA is a four step activity” Justify the statement.	07
Q.2	(a) What is the role of green belt in industries?	03
	(b) Explain in brief about the PDCA Cycle.	04
	(c) Explain in detail about carbon footprints.	07
	OR	
	(c) Elaborate the structure of EIA report.	07
Q.3	(a) Write a short note on carbon credit.	03
	(b) Explain the salient features of EIA Notification 2006.	04
	(c) What do you mean by sustainable development? Enlist the SDG’s and discuss the status of sustainable development in India.	07
	OR	
Q.3	(a) Define water resource management. List goals and needs of the water resource management.	03
	(b) What are the international steps taken for climate change?	04
	(c) Explain in detail about ground water monitoring objectives and sampling equipment used in ground water monitoring.	07
Q.4	(a) What are the main objectives of Montreal protocol?	03
	(b) Explain in brief about pollution load estimation.	04
	(c) What do you mean by responsible care? And discuss its status in India.	07
	OR	
Q.4	(a) Discuss about Paris Agreement.	03
	(b) Explain in brief about audit scheme of GPCB.	04
	(c) Define ground water monitoring and explain the objectives of it and location of monitoring well in detail.	07
Q.5	(a) What are the importance of EIA?	03
	(b) Explain the concept of carbon neutrality.	04
	(c) Enlist the clause under the ISO 14001 – 2015 and from that explain any two clauses in detail.	07
	OR	
Q.5	(a) Discuss the role of SEIAA, EAC and SEAC.	03
	(b) Discuss emission trading in detail.	04
	(c) What are the sampling procedures and sampling equipment used for surface water sampling?	07
