

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – WINTER 2023****Subject Code:3163512****Date:11-12-2023****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) Discuss about Stockholm convention.	03
	(b) What are the international steps taken for climate change?	04
	(c) Explain sustainable development? Enlist the SDGs and discuss the status of sustainable development in India.	07
Q.2	(a) Explain in brief about the PDCA Cycle.	03
	(b) Explain the salient features of EIA Notification 2006.	04
	(c) Explain in detail about ground water monitoring objectives and sampling equipment used in ground water monitoring.	07
OR		
	(c) Explain in detail about role of location of monitor wells in ground water monitoring.	07
Q.3	(a) Explain in brief the concept of Rain Water harvesting.	03
	(b) Explain in brief about Pollution load estimation.	04
	(c) Explain in detail about structure of EIA report.	07
OR		
Q.3	(a) Explain importance of EIA?	03
	(b) Describe in brief about Audit scheme of GPCB.	04
	(c) Discuss in detail about Carbon Footprints.	07
Q.4	(a) Discuss the role of SEIAA, EAC and SEAC.	03
	(b) What are the steps of EIA?	04
	(c) Enlist the clause under the ISO 14001 – 2015 and from that explain any two clauses in detail.	07
OR		
Q.4	(a) Explain the general requirement Marine Water Monitoring.	03
	(b) What are the main objectives of Montreal protocol?	04
	(c) Discuss in detail about Environmental Management Plan.	07
Q.5	(a) Discuss about Paris Agreement.	03
	(b) What is emission trading? Explain in detail.	04
	(c) What are the sampling procedures and sampling equipment used for surface water sampling?	07
OR		
Q.5	(a) What is the role of Green Belt in industries?	03
	(b) Describe the concept of carbon neutrality.	04
	(c) Discuss in detail the concept of water resource management	07
