

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI(NEW) EXAMINATION – WINTER 2022****Subject Code:3163512****Date:16-12-2022****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) Explain in brief about the PDCA Cycle.	03
(b) Explain the salient features of EIA Notification 2006.	04
(c) What are the sampling procedures and sampling equipment used for surface water sampling?	07
Q.2 (a) Explain importance of EIA?	03
(b) What are the main objectives of Montreal protocol?	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) What is emission trading? Explain in detail.	04
(c) Explain in detail about structure of EIA report.	07
OR	
Q.3 (a) What is the role of Green Belt in industries?	03
(b) Explain the concept of carbon neutrality.	04
(c) Explain in detail about Environmental Management Plan.	07
Q.4 (a) Discuss about Stockholm convention.	03
(b) What are the international steps taken for climate change?	04
(c) Explain in detail about Carbon Footprints.	07
OR	
Q.4 (a) Discuss about Paris Agreement.	03
(b) What are the steps of EIA?	04
(c) Explain in detail the concept of water resource management	07
Q.5 (a) Explain the general requirement Marine Water Monitoring.	03
(b) Explain in brief about Audit scheme of GPCB.	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) Explain in brief about Pollution load estimation.	04
(c) What do you mean by sustainable development? Enlist the Sustainable development goals and discuss the status of sustainable development in India.	07
