

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER– IV(NEW) EXAMINATION – SUMMER 2023****Subject Code:3143510****Date:17-07-2023****Subject Name:Environmental Management-II****Time:10:30 AM TO 01:00 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) Describe Electromagnetic spectrum.	03
	(b) What are the sources of radioactive pollution?	04
	(c) Discuss framework of institutional policy.	07
Q.2	(a) Define Rad, Roentgen and Curie.	03
	(b) What is the goal of LCA?	04
	(c) Explain in detail effects of Radioactive Pollution.	07
OR		
	(c) Explain Application of GIS	07
Q.3	(a) Discuss need for Cleaner Technology	03
	(b) Describe Fusion.	04
	(c) What are the stages involved in product LCA?	07
OR		
Q.3	(a) Describe categories of Industries.	03
	(b) Describe Fission.	04
	(c) What are the steps/procedures involved in carrying out a LCA?	07
Q.4	(a) Write a short note on CEPI.	03
	(b) Elaborate the main stages in remote sensing.	04
	(c) What are the types of radiation?	07
OR		
Q.4	(a) Write a short note on ENVIS.	03
	(b) Elaborate the Raster format of GIS.	04
	(c) Explain in detail Application of Remote Sensing in Environmental Monitoring.	07
Q.5	(a) Describe Mie Scattering.	03
	(b) Elaborate the Vector format of GIS.	04
	(c) Explain in detail Emergency Response Plan.	07
OR		
Q.5	(a) Enlist key elements used in photographic/image interpretation.	03
	(b) Illustrate the difference between hazard and risk.	04
	(c) Write a short note on GIS.	07
