

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI(NEW) – EXAMINATION – SUMMER 2019****Subject Code:2163507****Date:14/05/2019****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.

	MARKS
Q.1 (a) Give advantage and disadvantage of AERMOD?	03
(b) Describe frame work of LCA?	04
(c) Define: Attribute, CAD, DEM, Database, GPS, Point and Polygon	07
Q.2 (a) Give advantage and disadvantage of DHWANI ?	03
(b) Explain strength and weakness of LCA model?	04
(c) Explain types of LCA in detail?	07
OR	
(c) Describe ALOHA in detail?	07
Q.3 (a) Give advantage and disadvantage MODFLOW?	03
(b) Explain GIS scales of measurement?	04
(c) Explain GIS category in detail?	07
OR	
Q.3 (a) Give use of GIS in EIA?	03
(b) What is GIS data management?	04
(c) Explain category of Biomedical waste management in detail?	07
Q.4 (a) Describe objective and components of GIS?	03
(b) What is green belt and give the specification for design of greenbelt?	04
(c) Explain chemical waste management in detail?	07
OR	
Q.4 (a) Define: Scale, Spatial analysis ?& Coordinate	03
(b) What is vulnerability in climate change?	04
(c) Explain radioactive waste management in detail?	07
Q.5 (a) Explain the advantages of Green Belt in detail?	03
(b) Explain Co Processing and Energy recovery in detail?	04
(c) Describe Carbon footprint in detail?	07
OR	
Q.5 (a) What is Carbon credit?	03
(b) Describe water harvesting in detail??	04
(c) Explain Biodiversity in detail?	07
