

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.

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

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