

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII(NEW) EXAMINATION – SUMMER 2019****Subject Code:2183509/2183512****Date:09/05/2019****Subject Name:Environmental Management - III****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) What is the aim of Paris Agreement?	03
	(b) Explain Unconfined Aquifer.	04
	(c) Write the difference between EIA Notification 2006 and EIA Notification 1994.	07
Q.2	(a) What is Emergency? Explain need for emergency measures.	03
	(b) Explain application of Eye Protectors.	04
	(c) Explain geological factors governing occurrence of ground water.	07
	OR	
	(c) Explain application of Remote Sensing in ground water monitoring.	07
Q.3	(a) Explain field measurement velocity of ground water	03
	(b) What is HAZOP?	04
	(c) Which are the Zones of Ground Water? Explain in detail.	07
	OR	
Q.3	(a) Explain Limitation of PPE.	03
	(b) Discuss Sampling System.	04
	(c) Explain in detail Green Building.	07
	OR	
Q.4	(a) Explain Coefficient of Permeability	03
	(b) Explain sampling of Nitrogen Oxides.	04
	(c) Discuss Off site Emergency Measures.	07
	OR	
Q.4	(a) What is screening?	03
	(b) Which are four stages in EIA.	04
	(c) How to calculate Carbon Footprint?	07
Q.5	(a) Define ALARP, Porosity and Aquitard.	03
	(b) Explain application of Feet Protectors.	04
	(c) Explain in detail methods of Risk Assessment.	07
	OR	
Q.5	(a) Explain need of PPE	03
	(b) Explain in detail Scoping?	04
	(c) How Darcy's law is used for determining velocity of ground water.	07
