Enrollment No: _____ Exam Seat No:_____

C. U. SHAH UNIVERSITY

Winter Examination-2022

Subject Name : Environmental Studies

Subject Code : 4TE01ENS1 **Branch: B.Tech (All)**

Semester: 1 **Date: 13/01/2023** **Time: 11:00 To 02:00** **Marks: 70**

Instructions:

(1) Use of Programmable calculator & any other electronic instrument is prohibited.
(2) Instructions written on main answer book are strictly to be obeyed.
(3) Draw neat diagrams and figures (if necessary) at right places.
(4) Assume suitable data if needed.

Q-1		**Attempt the following questions:**	**(14)**
	a)	Define Hydrosphere.	(1)
	b)	What is land degradation?	(1)
	c)	Enlist the different categories of environment.	(1)
	d)	Define Lithosphere.	(1)
	e)	Define Ecology and Ecosystem.	(1)
	f)	Define Global warming.	(1)
	g)	Define Producers.	(1)
	h)	What is meant by Acid Rain?	(1)
	i)	What is meant by Climate change?	(1)
	j)	Define Potable water.	(1)
	k)	Define Decomposers.	(1)
	l)	What is meant by disaster management?	(1)
	m)	What is meant by 'Biodiversity'?	(1)
	n)	Enlist the natural disasters.	(1)

Attempt any four questions from Q-2 to Q-8

Q-2		**Attempt all questions**	**(14)**
	A	Write a short note on Food chain and Food web.	**07**
	B	Explain the component of ecosystem.	**07**
Q-3		**Attempt all questions**	**(14)**
	A	Explain the impact of technology and development on Environment.	**07**
	B	Explain Grassland ecosystem.	**07**
Q-4		**Attempt all questions**	**(14)**
	A	Explain importance of afforestation.	**07**
	B	Differentiate between renewable and non-renewable resources.	**07**

Q-5		**Attempt all questions**	**(14)**
	A	Explain effect of air pollution on human being and animals.	**07**
	B	Discuss problems associated with the over exploitation of water resources.	**07**
Q-6		**Attempt all questions**	**(14)**
	A	Explain the concept of resettlement and rehabilitation of people with case study.	**07**
	B	Write short notes on 'Air pollution prevention and control Act'.	**07**
Q-7		**Attempt all questions**	**(14)**
	A	Briefly describe the sources and effects of noise pollution.	**07**
	B	Discuss the genetic, species and ecosystem diversity in detail.	**07**
Q-8		**Attempt all questions**	**(14)**
	A	Explain about the In-situ and Ex-situ conservation of biodiversity.	**07**
	B	Write short notes on any two natural disasters and its mitigation measurement.	**07**