

# C.U.SHAH UNIVERSITY

## Winter Examination-2018

**Subject Name: Environmental Studies**

**Subject Code: 4TE01ENS1**

**Branch: B.Tech (All)**

**Semester: 1 Date : 07/12/2018**

**Time : 2:30 To 05:30**

**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.
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**Q-1 Attempt the following questions: (14)**

- a) Define ecosystem.
- b) Enlist the different categories of environment.
- c) Write the objective of ecology.
- d) Give two examples for Renewable energy.
- e) Enlist the natural disasters.
- f) Give two examples for Abiotic component in environment.
- g) Define Potable water.
- h) Enumerate the types of environmental pollution.
- i) Draw one food chain.
- j) Give two examples for pollutant free energy resources.
- k) Write the name of lowest / first layer of atmosphere.
- l) The concentration of which gas is highest in our environment?
- m) Name any two hotspots of biodiversity in India.
- n) Enlist the endemic species of India.

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

**Q-2 Attempt all questions (14)**

- (a) Explain the structure of environment with neat sketch. **08**



	(b)	Explain the impact of technology and development on Environment	06
<b>Q-3</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Explain Forest ecosystem with examples.	08
	(b)	Write short notes on: (i) Producers (ii) Consumers (iii) Decomposers	06
<b>Q-4</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	What is land degradation and what are the causes of land degradation?	06
	(b)	Discuss problems associated with the over exploitation of water resources.	06
	(c)	What is meant by Acid Rain?	02
<b>Q-5</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Explain effect of air pollution on human being and animals.	06
	(b)	Describe “Environmental Protection Act 1986”	08
<b>Q-6</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Differentiate between renewable and non-renewable resources.	06
	(b)	Briefly describe the sources and effects of noise pollution.	04
	(c)	Define Kyoto protocol and Montreal protocol.	04
<b>Q-7</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	How do you justify India as a mega diversity nation? Explain it.	07
	(b)	What are the threats of biodiversity in view of habitat loss and man-wild life conflicts?	07
<b>Q-8</b>		<b>Attempt all questions</b>	<b>(14)</b>
	(a)	Explain the Chipko and Silent valley movement.	08
	(b)	Write short notes on any two natural disasters and its mitigation measurement.	06

