

Enrollment No: \_\_\_\_\_

Exam Seat No: \_\_\_\_\_

# C.U.SHAH UNIVERSITY

## Winter Examination-2015

**Subject Name :** Environmental Science

**Subject Code :** 4SC01EVS1

**Branch:** B.Sc.(Microbiology)

**Semester : 1     Date : 2/12/2015     Time : 10:30 To 1:30     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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<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) Define Environmental Science	1
	b) What is biosphere?	1
	c) What is Ozone Depletion?	1
	d) What is biogeochemical cycle?	1
	e) Define Ecosystem	1
	f) Define environmental pollution	1
	g) What is conservation?	1
	h) What is sustainable development?	1
	i) Why there is a need for conservation?	1
	j) Define biodiversity	1
	k) What is atmosphere?	1
	l) Define hydrosphere.	1
	m) What is soil pollution?	1
	n) Enlist the biogeochemical cycles	1

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

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a Explain scope, Public awareness & environmental problems in detail	7
	b Explain the components of atmosphere of earth	7
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	a Explain biosphere in detail	7
	b Explain carbon & nitrogen cycle	7
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>



	<b>a</b>	Write a short note on ecosystem & its components	7
	<b>b</b>	Explain sulfur & phosphorus cycle	7
<b>Q-5</b>		<b>Attempt all questions</b>	<b>(14)</b>
	<b>a</b>	Write a short note on environmental pollution	7
	<b>b</b>	Give explanation about green house effect & ozone depletion	7
<b>Q-6</b>		<b>Attempt all questions</b>	<b>(14)</b>
	<b>a</b>	Short note on concepts of conservation and sustainable development	7
	<b>b</b>	Explain ecological succession	7
<b>Q-7</b>		<b>Attempt all questions</b>	<b>(14)</b>
	<b>a</b>	Write a note on various ecosystems	7
	<b>b</b>	Explain the levels and types of biodiversity	7
<b>Q-8</b>		<b>Attempt all questions</b>	<b>(14)</b>
	<b>a</b>	What is the importance of biodiversity & causes of its loss explain	7
	<b>b</b>	Explain hydrological cycle & its processes.	7

