Enrollment No: _____ Exam Seat No:_____

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Environmental Science

Subject Code: 4SC01EVS1 **Branch: B.Sc. (All)**

Semester: 1 **Date: 21/03/2018** **Time: 02:30 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.

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

a) Define Ecosystem
b) Define biodiversity
c) What is biome?
d) Define Ecological Succession.
e) What is unit above which the sound is a pollution?
f) Define Eutrophication
g) Name any one method of soil conservation?
h) What is hot spot?
i) Define prey
j) Define renewable resource.
k) What is intra specific interaction?
l) What is deme?
m) Give two examples of natural resources.
n) Define sustainable development.

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

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

a) Explain causes of air pollution **(7)**
b) Explain the biodiversity levels and types. **(7)**

Q-3 **Attempt all questions** **(14)**

a) Explain aquatic ecological succession **(7)**
b) Explain the different atmosphere layer with graphical method. **(7)**

Q-4 **Attempt all questions** **(14)**

a) Explain in detail non-renewable resources and its different types. **(7)**
b) Write a note on soil pollution. **(7)**

Q-5		**Attempt all questions**	**(14)**
	a)	Why has it become important to switch over renewable sources of life? How can they make a difference to the existing condition.	**(7)**
	b)	Explain the thermal pollution with cause and effect.	**(7)**
Q-6		**Attempt all questions**	**(14)**
	a)	Explain the concept of Energy flow in an ecosystem	**(7)**
	b)	What do you understand by 'Hot spots of Biodiversity'? Name and briefly describe the two hotspots of biodiversity that extend into India	**(7)**
Q-7		**Attempt all questions**	**(14)**
	a)	Write a note on wildlife and forest conservation.	**(7)**
	b)	What is meant by Ecological Pyramid? Describe the pyramid of biomass for terrestrial and aquatic ecosystem.	**(7)**
Q-8		**Attempt all questions**	**(14)**
	a)	What is biogeochemical cycle? Explain Hydrological cycle with diagram.	**(7)**
	b)	Write a note on biodiversity act 2002 .	**(7)**