Enrollment No: _	Exam Seat No:

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Environment and Ecology I

Subject Code: 4PS02EAE1 Branch: B.Pharm

Semester: 2 Date: 02/05/2019 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 environment	1
		b)	The increase in harmful UV-B radiations over the surface of earth due to	1
			5% loss of ozone is	
			Thickness of biosphere over and above earth is about	1
			In India the predominant source of commercial energy is	1
		e)	What do you mean by biotic succession?	1
		f)	The term ecology is said to be coined by	1
		g)	The equivalent term to ecology is	1
		h)	Technique of cultivation and breeding of forest plants is called	1
		i)	Biotic interaction in which both species are harmed is called	1
		j)	An ecological succession involves stages.	1
		k)	The chemical components of the ecosystem move in defined cycles which are called	1
		1)	Full form of B.O.D is	1
			Chipko Andolon was launched in the year	1
			Name any four international environmental institutions	1
Atter	npt		four questions from Q-2 to Q-8	
Q-2		A	ttempt all questions	(14)
	a	\mathbf{E}	xplain the multidisciplinary nature of environmental studies.	7
	b		escribe the scope of environmental studies in detail.	7
Q-3		A	ttempt all questions	(14)
	a	N	ame various natural resources and describe the problems associated with the	em 7
	b	W	rite a note on use and over use of water	7
Q-4		A	ttempt all questions	(14)
	a	W	That are minerals? Describe some important mineral elements and their uses	s. 7
	b	W	That are the ill effects of chemical fertilizers and pesticides?	7
Q-5		A	ttempt all questions	(14)
-	a		rite a note on conservation of energy resources.	7
	b		hat is desertification? Describe its main causes?	7
			CAN UNIVERS	Page 1 of 2



Q-6		Attempt all questions	(14)
	a	What are producer, consumers and decomposers? Explain their interrelationship with the help of a figure.	7
	b	Briefly describe the nitrogen cycle in nature	7
Q-7		Attempt all questions	(14)
	a	What is the ecological pyramid? What are their types? Describe any one type.	7
	b	Write names of various aquatic ecosystems. Describe the fresh water	7
Q-8		ecosystems Attempt all questions	(14)
Q-0		• •	(14)
	a	Name various pollutants of air and describe their effects.	7
	b	Describe 3R management of waste in detail.	7

