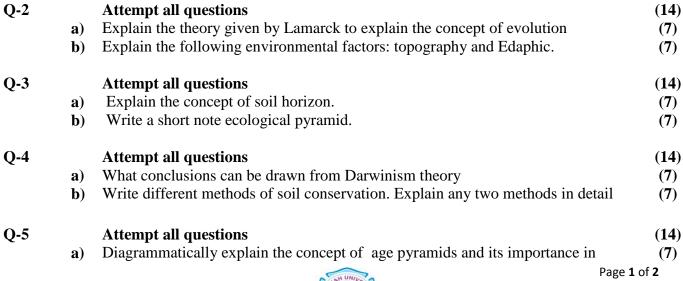
	Enrollm	ent No:	Exam Seat No:	
			AH UNIVERSITY r Examination-2018	
	Subject 1	Name: Ecology & Evolutio	onary Biology	
	Subject	Code: 4SC06EEB1	Branch: B.Sc. (Microbiology)	
	Semester	r: 6 Date: 19/10/20	018 Time: 02:30 To 05:30 M	Iarks: 70
	(2) I (3) I	Use of Programmable calcul Instructions written on main	ator & any other electronic instrument is prohib answer book are strictly to be obeyed. ares (if necessary) at right places. led.	vited.
Q-1		Attempt the following qu	estions:	(14)
Atte	a) b) c) d) e) f) g) h) i) j) k) l) mpt any f	Define Ecology. Define biotic interaction. Define mutation. Define Ten percentage ene Define sympatric speciatio Give the name of 3 layer o What is upright pyramid? Define mutualism? What is population density Define Microsphere? Define producer. Define consumer. What is natural selection? Define vestigial organ? four questions from Q-2 to	on. of earth.	
Q-2	a) b)	-	y Lamarck to explain the concept of evolution ronmental factors: topography and Edaphic.	(14) (7) (7)
Q-3	a) b)	Attempt all questions Explain the concept of soi Write a short note ecologi		(14) (7) (7)
0-4		Attempt all questions		(14)





		ecological studies.	
	<b>b</b> )	What do you understand by negative biotic interaction.	(7)
Q-6		Attempt all questions	
	a)	Mathematically explain the Hardy Weinberg's law of equilibrium.	<b>(7</b> )
	<b>b</b> )	Explain the mortality with survivorship curve.	<b>(4)</b>
	<b>c</b> )	Differentiate between micro evolution and macro evolution.	(3)
Q-7		Attempt all questions	(14)
	a)	Explain the process of speciation. What factors are responsible for it?	<b>(7</b> )
	<b>b</b> )	Explain the embryological evidences of organic evolution.	<b>(7</b> )
Q-8		Attempt all questions	
	a)	Explain chemosynthetic theory of origin of life. Write the drawbacks of this theory.	(7)
	<b>b</b> )	Explain the zonation in ocean water with the help of diagram.	<b>(7</b> )

