BOWEN UNIVERSITY, IWO DEPARTMENT OF BIOLOGICAL SCIENCES 2012/2013 FIRST SEMESTER EXAMINATION

BLY 121: INTRODUCTORY ECOLOGY

Name	:			Matric No:			
Depa	rtment:		Programm	0:			
Answer all questions .				Time:			
			SECTION A				
1.	Define (a)	the folio	owing terms: ion:		nal desi		
	(b)	Territor			accessor to		
	(c)	Mortalit					
	(d)	Natality					
	(e)	Immigra			-		
2.	Resul	t of popu	ulation studies in a 5m² ecosys	item are as follows:	_		
	Orgai	nism	Population size in2008	Population size in 2011			
	Dog Goat		165 100	150 130			
	(a)	Calculate the population growth rate of dog between 2008 and 2011.					
					-		
	(b)	What w	as the population density of g	oat per metre square in 2008?	-		
				(20 Marks	- - s)		

Name:			Warte No.		

SECTION B

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What are	the effects of acc	t dennstirr or	water tod	en and anistic	install
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guts of c	rain insects s		ماوكوا والوادا كاد	Die swing in	
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	and Sale Se divide	ובע עושון עוווו ער			
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(d) The car include: (a) (b) (c) (d) (f) Agricultu	ral wastes are wa	shed off from a	and into the	aquatic system	free

	SECTION C
4	Abiotic components includes the atmosphere, and
-	Earth's living organisms interacts with their ablotic environment to form a glar
	and vast ecosystem called
	Illumination is measured in On the basis of light factor, plants are classified into
	and
	The stems of plants are phototropic while the roots are
	The stems of plants are phototropic while the roots are phototropic. Oriented locomotory movements towards and away from a source of light in
	Oriented locomotory movements towards and away from a source of light in called is a measure of the intensity of heat. Cold loving microorganisms are called
	is a measure of the intensity of heat.
	Cold loving microorganisms are called
	Cold loving microorganisms are called Cold blooded animals whose body temperature cannot be regulated are called
	Differentiate between 'Hibernation' and 'Aestivation'.
	(a)
	(b)
•	is an orderly, progressive sequence ofreplacement
	of a community over a given area of locality.
	The first group of organisms establishing a community are calle
	Differentiate between 'Commensalism' and 'Ammensalism'.
	(a)
	(b)
	Parasites that live outside of the host are called whil
	those that live within the body of the host are called
	is the relationship where one population adversel
	affects the other by direct attack.
	Define the term "Autotrophic Succession".
	affects the other by direct attack. Define the term "Autotrophic Succession".
	The plants growing on other plants for support are called
	while those growing on the surface of animals for support are called
	(25 Marks)

Section A (20Marks)	Section B (25 Marks)	Section C (25 Marks)	Total score (70 Marks)