

THE OPEN UNIVERSITY OF SRI LANKA
 B. Sc. DEGREE PROGRAMME - LEVEL 4- 2012/2013
 COURSE TITLE: FUNDAMENTALS OF ECOLOGY
 COURSE CODE – ZOU 2265/ZLU2281
 OPEN BOOK TEST

REGISTRATION NUMBER

DATE: 29.09.2013

TIME -11.00AM-12.30 PM

Answer all questions in both parts A and B. Answers for part A should be indicated with a "X" in the answer sheet provided.

Both part A and B should be handed over after the examination.

PART A

Answer sheet for PART A

Ques. No	a	b	c	d	Ques. no	a	b	c	d
1.1					1.11				
1.2					1.12				
1.3					1.13				
1.4					1.14				
1.5					1.15				
1.6					1.16				
1.7					1.17				
1.8					1.18				
1.9					1.19				
1.10					1.20				

PART B

1.1. Define the terms population and density of a population.

a). Population

.....

b) Density of a population.....

.....

1.2. In your practical sessions you have observed (or counted) the number of individuals in each species samples taken from a particular study site.

1.2 a) Name the method that you have used to determine the population size of animals in the above study site.

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1.2 b) Explain the above method (stated in 1.2a) briefly.

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1.2 c) The distributions of animals can be categorized as spatial distribution and temporal distribution. Explain these two terms with relevant examples

Spatial distribution

.....

.....

.....

Temporal distribution

.....

.....

.....

2.

2.1. Define the terms R_0 , r and K .

R_0 :

.....

r :

.....

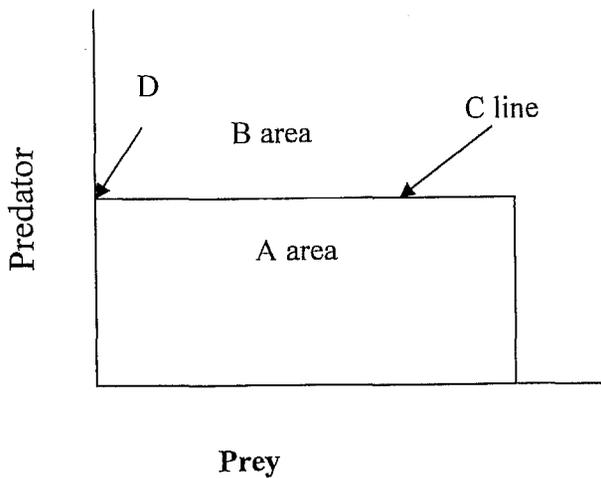
K :

.....

2.2. With suitable examples, explain the differences between discrete generations and overlapping generations of populations.

Discrete generations	Overlapping generations
1	1
2	2
3	3

2.3. Briefly explain the graph given below, in relation with A, B, C and D.



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