

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME – LEVEL 4 – 2008/2009
COURSE TITLE : FUNDAMENTALS OF ECOLOGY
COURSE CODE : ZOU 2265
OPEN BOOK TEST



.....
DATE : 19th April 2009 **TIME : 11.00 AM – 12.00 NOON**

REGISTRATION NUMBER :

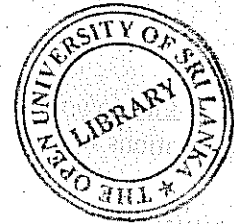


Answer sheet for Part A

Q. no	a	b	c	d
1.01				
1.02				
1.03				
1.04				
1.05				
1.06				
1.07				
1.08				
1.09				
1.10				
1.11				
1.12				
1.13				
1.14				
1.15				

Q. no	a	b	c	d
1.16				
1.17				
1.18				
1.19				
1.20				
1.21				
1.22				
1.23				
1.24				
1.25				

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Part B

Answer all the questions

2.

2.1. Explain what you understand by the term "growth" of a population.

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2.2. What are the main factors that affect the growth of a population?

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2.3. How do you describe the pattern of growth seen in a population having overlapping generations when resources are abundant?

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2.4. a) Explain the changes that you would expect, in the growth of a population if exposed to an environment with limited resources.

b) Draw the curve you are expected to obtain, in the space given below.

a).....

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b)



2.5. Briefly explain the conditions under which the mathematical model for Lotka and Voltera equation could be used in studying the interactions seen among populations?

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