

THE OPEN UNIVERSITY OF SRI LANKA
B.Sc. DEGREE PROGRAMME – LEVEL 4 -2006/2007
COURSE TITLE : FUNDAMENTALS OF ECOLOGY
COURSE CODE : ZOU 2265
OPEN BOOK TEST



DATE : 13TH JANUARY 2006

TIME : 10.30 AM – 11.30 AM

REGISTRATION NUMBER : -----

Q.no	a	b	c	d
1.1				
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1.25				

PART B
FUNDAMENTALS OF ECOLOGY (ZOU 2265)
O.B.T - 2006 / 2007

REGISTRATION NUMBER : _____

2.

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

2.2 How do you describe the pattern of growth seen in a population having overlapping generations, if the resources are unlimited ?

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

2.4 Describe the pattern of growth curve that you will obtain for the population under the conditions stated in question no. 2.3.

2.5 State the growth model that matches with the growth pattern indicated in question no.2.4 .

2.6 Indicate the impact of "Environmental resistance" in reaching the carrying capacity of a population.

2.6 What can you predict about the growth of a population at its carrying capacity ?

2.7 State the methods by which growth of a population is regulated until it reaches its carrying capacity.

