COURSE CODE BIO620 (M) 2016/2017 Page 1 of 2

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER 2016/17

TITLE OF PAPER:POPULATION DYNAMICSCOURSE CODE:BIO620TIME ALLOWED:THREE HOURSINSTRUCTIONS:1. THE EXAMINATION HAS THREE (3)
QUESTIONS. ANSWER ALL THREE (3).
2. EACH QUESTION CARRIES 30 MARKS.
3. HILUSTRATE VOUR ANSWERS WITH

2. EACH QUESTION CARRIES 30 MARKS. 3. ILLUSTRATE YOUR ANSWERS WITH LARGE AND CLEARLY LABELLED DIAGRAMS WHERE APPROPRIATE.

2 . .

SPECIAL REQUIREMENTS:

NONE

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATORS

COURSE CODE BIO620 (M) 2016/2017 Page 2 of 2

QUESTION 1

Explain what a density-dependent population growth model is, and the variety of forms that it can take.

[30 marks]

QUESTION 2

How can age-specific survival be introduced into a population growth model?

[30 marks]

QUESTION 3

Discuss the roles of predation and competition in population growth models.

[30 marks]

END OF EXAMINATION PAPER