

UNIVERSITY OF SWAZILAND

MAIN EXAMINATION PAPER 2016

TITLE OF PAPER : APPLIED ECOLOGY

COURSE CODE : BIO605-3.0

TIME ALLOWED : THREE HOURS

INSTRUCTIONS :

- 1. THIS PAPER HAS FOUR (4) QUESTIONS**
- 2. ANSWER ANY THREE (3) QUESTIONS**

SPECIAL REQUIREMENTS: NONE

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

Question 1

Account for the need for assessment of biodiversity and discuss the various methods which may be used for such.

[30 marks]

Question 2

Examine various indicators used during biodiversity monitoring projects.

[30 marks]

Question 3

Critique the usefulness of molecular markers in biodiversity conservation.

[30 marks]

Question 4

Outline steps of how microbiologists isolate microbes of interest from the environment. Elaborate on the sterile techniques utilised in this process.

[30 marks]