

UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER 2020/21

TITLE OF PAPER: ECOLOGICAL TECHNIQUES II

COURSE CODE: BIO622

TIME ALLOWED: THREE HOURS

INSTRUCTIONS:

1. ANSWER ALL THREE (3) QUESTIONS.
2. EACH QUESTION CARRIES 30 MARKS.
3. ILLUSTRATE YOUR ANSWERS WITH LARGE AND CLEARLY LABELLED DIAGRAMS WHERE APPROPRIATE.

SPECIAL REQUIREMENTS: NONE

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

QUESTION 1

Explain in detail what goes into a PHVA report, from data source to the process in which decisions are made and the report produced.

[30 marks]

QUESTION 2

“Museums are outdated institutions that are costly to run and should be disbanded, particularly in African countries where funds are better used for *in situ* conservation”. Critically discuss this statement with respect to the value of museums in conservation and ecology.

[30 marks]

QUESTION 3

You are given E1,000,000 to select five new reserves to add to the protected area network of Eswatini. Explain how you would go about doing this from the collection of data, to the analysis and interpretation of the findings.

[30 marks]