

UNIVERSITY OF FORT HARE

BOT 506

HONOURS DEGREE EXAMINATIONS

NOVEMBER 2018

TIME: 3 HOURS

MARKS: 100

SUBJECT: BOTANY HONOURS

PAPER: GENERAL BOTANY

This paper consists of two pages including the cover page

Internal Examiners

Prof CN Cupido
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INSTRUCTIONS

ANSWER ANY FOUR (4) QUESTIONS

Illustrate your answers, wherever possible with carefully labelled drawings or diagrams

ANSWER FOUR QUESTIONS

QUESTION 1

Discuss the application of sampling techniques used for measuring vegetation with special emphasis on advantages and disadvantages of each.

[25]

QUESTION 2

Scanning electron microscopy (SEM) has many applications for studying living organisms. Outline the procedures used in preparation of a biological specimen (plant) for SEM.

[25]

QUESTION 3

Discuss tools and methods which can be used to collect ethnobotanical data in home gardens.

[25]

QUESTION 4

Herbarium records have untapped information that is often overlooked. Discuss this statement with special reference to their usefulness for conservation biology. Include relevant examples in your answer.

[25]

QUESTION 5

Explain what you understand by bioprospecting for drugs. Describe the step-by-step method of obtaining drugs (bioprospecting) from medicinal plants.

[25]

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