

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD DEGREE OF
MASTER OF SCIENCE IN BOTANY (PLANT PATHOLOGY)**

BOTA 814: ADVANCED MYCOLOGY

STREAM:

TIME: 3 HOURS

DAY/DATE: THURSDAY 9/04/2020

11.30 A.M - 2.30 P.M.

INSTRUCTIONS:

- Answer Any Three Questions

QUESTION ONE

Discuss the general characteristics of Fungi.

[20 Marks]

QUESTION TWO

Discuss the significance of Ascomycetes.

[20 Marks]

QUESTION THREE

a) Classify Mycorrhizal Fungi.

[10 Marks]

b) Discuss the benefits of mycorrhizae on host plants.

[10 Marks]

QUESTION FOUR

Discuss the lifecycle of Rust Fungi.

[20Marks]

QUESTION FIVE

a) Explain why Phylum Oomycota is not classified as true Fungi.

[10 Marks]

b) Describe the shapes of conidia in Class Deuteromycetes.

[10 Marks]