MASINDE MULIRO UNIVERSITYOF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER MAIN EXAM

FOR THE DEGREE

OF

MASTER OF SCIENCE IN PLANT HEALTH

COURSE CODE: APH 814

COURSE TITLE: ADVANCED MYCOLOGY

DATE: 22.04.2024 **TIME: 8-10AM**

INSTRUCTION TO CANDIDATES

Answer ALL QUESTIONS IN SECTION ONE and any other TWO in section B

Time: 2hrs

MMUST observes ZERO tolerance to examination cheating

SECTION A: Answer All Questions

1 Discuss coprophilous fungi. What is their significance in fungal classification?

Classify the Ascomycete and briefly talk about the import ace of the species of

Entermopathogens that you know.(10 marks)

2 Industrial mycology includes, Mushroom growing, industrial fermentation etc. Choose one fungus in this category and discuss hou they are used industrially. (5 marks)

3 Discuss Fungi as tools of medical importance narrating the noble discovery by Alexander Flemming. . (5 marks)

4 List five harmful Effects of Fungi and five benefits of fungi. (5 marks)

5 Define general characteristics of fungi expounding on the unique structure that can be used in makind them structures of storage in refrigeration. . (5 marks)

SECTION B

(30 marks) answer **TWO** questions

6.Oomycetes are regarded as lower fungi compare them with Zygomycetes and state similarities and differences. (15 marks)

7. Differentiate early and late blight of tomatoes and describe their life cycles. (15 marks)

8. List characteristic of Basidiomycetes giving the life cycle of wheat rust (15 marks)

9. Discuss fungi causing diseases in man. (15 marks)

10. Discuss 'Fungi imperfecti with some examples