



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

AUGUST – DECEMBER 2017 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF BIOLOGY

REGULAR PROGRAMME

BIO 206: GENERAL MYCOLOGY

Date: DECEMBER 2017

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and any other TWO Questions

- Q1. a) Distinguish between
- i) Mycosis and mycology [2marks]
 - ii) Phototactic and phototrophic responses in fungi [2marks]
 - iii) Mycotoxicosis and mycestimus [2marks]
- b) Explain dimorphism in fungi [2marks]
- c) Identify three types of fungal mycelia found on culture media [3marks]
- d) Describe various methods of fungal isolation [5marks]
- e) Explain why presence of oxygen is poisonous to anaerobic fungi [4marks]
- f) Using illustrations describe various Ascocaps in Ascomycetes [6marks]
- g) Explain Nutrition and metabolism in fungi [4marks]
- Q2. Discuss reproduction in fungi [20marks]

- Q3. Discuss the role of fungi in Agriculture [20 marks]
- Q4. Discuss fungal Ecology [20 marks]
- Q5. Discuss with examples various fungal taxonomic units [20marks]

END