



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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**MAIN EXAMINATION**

**SEPTEMBER –DECEMBER 2021**

**FACULTY OF SCIENCE**

**DEPARTMENT OF BIOLOGY**

**REGULAR PROGRAMME**

**BIO 206: GENERAL MYCOLOGY**

**Date: DECEMBER 2021**

**Duration: 2 Hours**

**INSTRUCTIONS: Answer Question ONE and any TWO Questions**

- Q1. a) Briefly describe five features of fungi (5 marks)
- b) Distinguish between each of the following terms:
- i) Septate and aseptate hyphae (2 marks)
  - ii) Haustoria and arbuscules (2 marks)
  - iii) Apothecium and hymenium (2 marks)
  - iv) Facultative and strict anaerobes (2 marks)
- c) In form of a table, differentiate fungi from plants (4 marks)
- d) Enumerate four characteristics of Oomycota (4 marks)
- e) Differentiate Basidiomycetes from Myxomycetes (4 marks)
- f) Briefly describe fungal nutrition (5 marks)
- Q2. Using illustrations, describe the life cycle of *Rhizopus stolonifer* (20 marks)

- Q3. Discuss sexual and asexual reproduction in fungi (20 marks)
- Q4. a) Describe interactions of fungi with other organisms (10 marks)  
b). Describe spore dispersal in fungi (10 marks)
- Q5. Discuss the significance of fungi in the environment (20 marks)

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