



**UNIVERSITY EXAMINATIONS**

**SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF  
BACHELOR OF SCIENCE MICROBIOLOGY, BIOLOGY AND AGRICULTURAL  
EXTENSION AND EDUCATION  
SECOND SEMESTER 2022/2023  
(JUNE - SEPTEMBER, 2022)**

**BOTA 233: MYCOLOGY**

**STREAM: Y2 S2**

**TIME: 2 HOURS**

**DAY: FRIDAY, 3:00 PM – 5:00 PM**

**DATE: 00/09/2022**

**INSTRUCTIONS:**

- 1. Do not write anything on this question paper.***
- 2. Answer ALL Questions in section A (Compulsory) and any other TWO***

**SECTION A (40 MARKS)**

1. Describe in details the characteristics of fungi. (8 marks)
2. What do you understand by the term heterokaryosis? How does this phenomenon occur in fungi? (8 marks)
3. Discuss the vegetative structures found in fungi. (8 marks)
4. Discuss the genetic variability in fungi. (8 marks)
5. Describe the ecology of fungi. (8 marks)

**SECTION B (30 MARKS)**

6. Discuss the nutrition and growth in fungi. (15 marks)
7. Describe the reproduction in fungi. (15 marks)
8. Discuss, giving examples, the economic importance of fungi. (15 marks)