



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja  
Faculty of Science

**DEPARTMENT OF BIOLOGICAL SCIENCES**

**2024 1 EXAMINATION**

**COURSE CODE: BIO 311**

**COURSE TITLE: MYCOLOGY**

**CREDIT: 2 Units**

**TIME ALLOWED: 2 Hours**

**Instructions:** Attempt question number One (1) and any other TWO (2) questions. Question number one (1) carries (30) marks, while the other questions carry (20) marks each

- 1 (a) Discuss the various forms of sexual reproduction in Chytrids (10 marks)
- (b) Discuss the different types of asexual spores in fungi (16 marks)
- (c) Describe allergic aspergillosis infection as caused by fungi (4 marks)
- 2 (a) Describe superficial candidiasis infections (15 marks)
- (b) How can this fungal infection in 2a above be treated? (5 marks)
- 3 (a) Outline the general characteristics used in the classification of fungi (16 marks)
- (b) Differentiate between superficial and subcutaneous mycoses (4 marks)
- 4 (a) Briefly write on the taxonomy of fungi. (6 marks)
- (b) Describe the experiment that led to the discovery of various antibiotics (14 marks)
5. (a) Explain how fungi carry out asexual reproduction. (14 marks)
- (b) Briefly describe leavening as evidenced in bread production (6 marks)