



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, NnamdiAzikiwe Expressway, Jabi - Abuja

Faculty of Science

JUNE/JULY 2021 EXAMINATION

Course code: BIO 311 Course title: MYCOLOGY

INSTRUCTION: Answer question one and any other three questions

- 1a. List the 8 classes in the sub-division of Eumycotina (8marks)
- 1b. Write notes on the types of hyphae in fungi (7marks)
- 1c. Discuss the class Deutromycetes as a member of true fungi (6marks)
- 1d. Name the 4 orders in the class Hymenomycetes (4marks)

- 2a. In fungi, asexual reproduction occurs through spore formation. List five types of such spores (5marks)
- 2b. Discuss the characteristics features of the two groups of higher fungi (10marks)

3. Discuss fully the genus *Saccharomyces* (15marks)

- 4a. Describe basidiospores as sexual spores in fungi (4marks)
- 4b. Hyphae are characteristics used in the classification of fungi, Discuss (5marks)
- 4c. With an example, discuss the characteristic features of the members of the class Oomycetes (6marks)

- 5a. There are 4 orders in the class Oomycetes , name the four orders (4marks)
- 5b. With annotated diagrams, discuss the process of asexual reproduction in Chytrids