



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: BIO311
COURSE TITLE: MYCOLOGY

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE QUESTIONS

1. (a). Give the distinguishing characters of the different classes of fungi shown in the table below.

Fungi Class	Distinguishing Characters
Chytridiocetes	
Oomycetes	
Zygomycetes	
Ascomycetes	
Basidiomycetes	
Deuteromycetes	
Yeast	

7 marks

- (b). Give the standard name endings for the following taxa of fungi:

6 marks

Divisions:
Subdivisions:
Classes:
Sub-classes:
Order:
Family:

- (c). Distinguish between lower and higher fungi.

2 marks

- (d). A systemic fungi nomenclature based on some characteristics exist in Nigeria. Highlight any five characteristics.

10 marks

2. Discuss **five** criteria commonly used in the primitive classification of fungi highlighting their advantages and disadvantages.

15 marks

3. (a). Briefly describe wine production **7 marks**
(b). Discuss the discovery of antibiotics **5 marks**
(c.). What is blastomycosis and which organism causes it? **3 marks**
4. (a). Explain with an example how the nomenclature of fungi is binomial. **3 marks**
(b). How are systemic mycoses acquired? Give **three** examples each of the two groups of systemic mycoses. **6 marks**
(c). Write briefly on Blastomycosis as one of the systemic mycoses. **6 marks**
5. (a). Differentiate between asexual and sexual reproduction in fungi. **3 marks**
(b). Discuss any **three** types of the following:
(i) Asexual spores **6 marks**
(ii) Sexual spores **6 marks**
6. (a). Distinguish very clearly between superficial and subcutaneous mycoses. **5 marks**
(b). Give three examples each for superficial and subcutaneous mycoses. **6 marks**
(c). Discuss briefly any one of the examples of subcutaneous mycoses. **4 marks**