

BOWEN UNIVERSITY, IWO
COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE
2021/2022 FIRST SEMESTER EXAMINATION

MCB 313: MYCOLOGY

Answer question ONE and any two others. Answers should be illustrated where necessary.

Time allowed: 2hr. 20min.

1. a. Briefly comment on any 4 unique characteristics of fungi (10 marks)
b. i) Highlight 5 major classification of fungi with one specific example of each major class (5 marks)
ii) Outline the general characteristics of the slime moulds (5 marks)
c. With suitable diagrams, illustrate the steps involved in the cultivation of a named fungus on a named agar medium. (10 marks)

2. a. Briefly describe how you will isolate a named fungus from a rotten yam.
b. Write short notes on spore dispersal by wind. (20 marks)

3. Comment briefly on the following:
 - i) Symbiotic nutrition in fungi (4 marks)
 - ii) Fragmentation in fungi (4 marks)
 - iii) A typical fungal cell (4 marks)
 - iv) Budding in fungi (4 marks)

4. Economically, the Zygomycetes are of significant importance. Discuss. (20 marks)

5. a. In a tabular form, enumerate the differences between the class Ascomycetes and the class Basidiomycetes (10 marks)
b. Comment on the economic importance of the class Basidiomycetes. (10 marks)