

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES
2010/2011 FIRST SEMESTER EXAMINATION
MCB 304: MYCOLOGY

Answer questions **ONE** and any two others. Answers should be well-illustrated where appropriate
Time: 2hrs 30 mins

1. (a) What are the major components of a microbial culture medium to support good growth.
(b) Explain the differences between a defined and non-defined medium
(c) What steps would you take to isolate *Mucor* from mouldy bread?
(30 Marks)
2. (a) With a suitable examples give an account of **five** characteristics of the Ascomycetes.
(b) Draw the life cycle of *Aspergillus* species (20 Marks)
3. (a) Discuss reproduction in the Zygomycetes, with special reference to *Rhizopus* species. (20 Marks)
4. With reference to suitable examples, discuss in detail the diagnostic features of the class Basidiomycetes. (20 Marks)
5. Write an essay on the class Deuteromycetes. (20 marks)