



OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE

FACULTY OF SCIENCE

DEPARTMENT OF MICROBIOLOGY

B.Sc. (Microbiology) Degree Examination

Semester: Rain 2010/2011 Session

Date: 13th December, 2011

Course Code: MCB 310

Time Allowed: 2½ Hours

Course Title: Mycology

Answer all questions with each section in a separate answer booklet.

Section A

- 1a Give a succinct description of fungi under the following subheadings using appropriate diagram(s) where necessary.
- i. Morphology
 - ii. Spores
 - iii. Sexual reproduction
- b. Discuss the ecological importance of *Synchytrium endobioticum*
- 2a. In a tabular form highlight five differences between Phylum Zygomycota and Phylum Chytridiomycota
- b. Describe the life cycle *Allomyces arbuscula*

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Section B

- 1a. Discuss in details the formation of ascospores in Ascomycetes.
- b. Diagrammatically describe the asexual fruiting bodies in Ascomycetes.
- 2a. Discuss in details the somatic structures of the basidiomycetes.
- b. Write briefly on the differences between heterobasidiomycetidae and homobasidiomycetidae.

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