

OLABISI ONABANJO UNIVERSITY, AGO IWOYE

DEPARTMENT OF MICROBIOLOGY

B.SC. (MICROBIOLOGY) 2016/2017 HARMATTAN SEMESTER EXAMINATION  
COURSE MCB 314 – PATHOGENIC MYCOLOGY

INSTRUCTION: Attempt any three questions in all. One question must be answered from each section

Time: Allowed: 2 Hours

SECTION A

- 1a. Distinguish between a parasite and a saprophyte
- b. Give the major characteristic features of successful parasites
2. "Dermatophytic fungi are a specialized group with diverse growth forms, reproductive structures and host/habitat differences". Discuss this statement buttressing your answer with appropriate drawings and named examples.

SECTION B

3. Write extensively on any three (3) subcutaneous mycoses.
4. Write short notes on Coccidioidomycosis and Blastomycosis under the following headings:
  - (i) Causative agent
  - (ii) Transmission and epidemiology
  - (iii) Clinical manifestations
  - (iv) Laboratory diagnosis
  - (v) Prevention and treatment

SECTION C

5. Briefly discuss Aspergillosis under the following headings:
  - (i) Morphology and Identification
  - (ii) Pathogenesis
  - (iii) Clinical findings for invasive Aspergillosis only
  - (iv) Diagnostic Laboratory test
  - (v) Epidemiology and Control
- 6a. Highlight the antifungal drugs used in the treatment of mycotic infections and state the limitation of each of the drugs.
- b. Write concisely on the following antifungal drug: Azole