



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF LIFE SCIENCES
DEPARTMENT OF MICROBIOLOGY
SECOND SEMESTER EXAMINATION 2018/2019

COURSE CODE: MCB 322

COURSE TITLE: MYCOLOGY

TIME: 2 hours

INSTRUCTION: *Answer 5 questions in all. Question number one (1) is compulsory.*

- 1(a). List the diseases caused by *Candida albicans* under the following:
 - i. Cutaneous candidiasis
 - ii. Mucocutaneous candidiasis
 - iii. Systemic candidiasis
- 1(b). Discuss any one of i, ii, and iii
2. Write a concise note on the applications of fungi in medicine
3. Immunity to fungal infections can be innate or acquired. Discuss
4. Allergic reactions are produced by many fungi in human under different conditions. Discuss these in terms of the fungi involved, the symptoms, diagnosis and treatment
- 5(a). Write short note on slide culture techniques highlighting its advantage over other fungal microscopy techniques.
- 5(b). Tube media are preferred to plated media. Elucidate
6. List the three types of mycelium (hyphae) and discuss the specialized structural appearance that aids in the identification of the hyphae (given specific fungi example)
- 7a. What is Aspergillosis? Who is most at risk for this opportunistic infection? What problems does it cause in patients that are prone to this disease?
- 7b. Selected features have been used to differentiate between fungi and bacteria. Explain