

FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF PLANT BIOLOGY
SECOND SEMESTER BTECH. EXAMINATION, 2017/2018 SESSION

COURSE CODE: PLB 322
COURSE TITLE: MYCOLOGY
COURSE UNIT: 3
TIME ALLOWED: 2 HOURS

INSTRUCTION: *ANSWER ANY FOUR (4) QUESTIONS IN ALL*

1. a. With diagrams only, describe the range of thalli structure in phylum Oomycota
b. Enumerate the typical characteristics of fungi
2. a. Write concise notes on the following Phyla:
i. Plasmodiophoromycota ii. Chytridiomycota
b. Describe the important characteristics features of Deuteromycota
3. a. Write exhaustively on significance of Ascomycota.
b. Describe the variations in the production of sporangia in Zygomycota.
4. a. Define the following terms
i. Isogamy ii. Oogamy iii. Anisogamy
b. Describe the advancement of Euascomycetes over Zygomycetes
5. a. Discuss the yeast life cycle based on the differences in the timing and location of plasmogamy, karyogamy and meiosis.
b. Explain the major group of Homo Basidiomycetidae.
6. With the aid of annotated diagrams, describe the order Agaricales.