



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF LIFE SCIENCES
FIRST SEMESTER EXAMINATION 2018/2019 SESSION
COURSE: INTRODUCTION TO MICROBIOLOGY II
COURSE CODE: MCB 221 (3 units)

INSTRUCTIONS: Answer Any **Five** Questions. All Questions carry equal marks
TIME: 2hr

- 1(a). What is ecosystem?
- 1(b). Explain vividly various types of ecosystem.

2. Explain with example any four of the following relationship:
 - i. Commensalism
 - ii. Amensalism
 - iii. Mutualism
 - iv. Parasitism
 - v. Predation

3. Compare and contrast sterilization and disinfection.

4. Highlight and give the major significance of various physical methods of sterilization.

5. Highlight the steps involved in Gram staining.

6. With the aid of a diagram differentiate between food chain and food web

7. Explain energy flow in an ecosystem