



**ELIZADE UNIVERSITY,
ILARA-MOKIN, NIGERIA**

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2020/2021 ACADEMIC SESSION

COURSE CODE: MCB 307

COURSE TITLE: MICROBIAL ECOLOGY

COURSE UNIT: 2 UNITS

DURATION: 2 HOURS

HOD's SIGNATURE

NAME:.....

MAT. No:.....

INSTRUCTION: ANSWER ANY THREE (3) QUESTIONS

1. a.) List and explain any three (3) beneficial functions and three (3) harmful effects of normal flora.

b.) Briefly describe the gastrointestinal tract flora.

20 Marks

2. a.) Microbial ecology is an aspect of environmental microbiology. Explain.

b.) Explain the term biosphere

20 Marks

3. a.) Explain colonization and succession theory.

b.) What is a climax community?

20 Marks

4. a.) List all the types of microbial interactions and explain parasitism.

b.) Explain the functions of soil bacteria

20 Marks

5. a.) Briefly explain the difference between ecological niche and biomes

b.) Discuss with examples soil actinomycetes.

20 Marks