



FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
DEPARTMENT OF MICROBIOLOGY
FIRST SEMESTER EXAMINATION,
2022/2023 ACADEMIC SESSION

COURSE TITLE: GENERAL MICROBIOLOGY I (FOR SAAT STUDENTS)

COURSE CODE: MCB211

UNIT: 2 UNITS

INSTRUCTIONS: Answer any FIVE (5) Questions

DATE: 09/09/2023 8:00AM

Time Allowed:

2hr 30mins

- 1a. Define Microscope
- 1b. List and explain the types of Microscope and give two (2) examples each.
2. As a Microbiologist how can you prepare a specimen for light microscope examination, using fixed, smear and stained method.
- 3a. Define Microbial culture.
- 3b. In a tabular form list five (5) types of culture media, based on component and uses.
4. With the aid of a diagram, explain the following isolation/plating Methods
 - i. Streak plate method
 - ii Spread plate method
 - iii Pour plate method
 - iv Stab method
- 5a. What is Ecosystem?
- 5b. Briefly explain the effect of a keystone species in an ecosystem.
- 6a. State the roles of organisms in an Ecosystem
- 6b. Differentiate between food chain and food web.
7. Write short note on any Four (4) of the following:
 - i. Commensalism
 - ii Amensalism
 - iii. Mutualism
 - iv. Parasitism

v. Predatory

vi. Ecology