



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

COURSE TITLE: PRINCIPLES OF STERILIZATION AND DISINFECTION

COURSE CODE: MCB312

UNIT: 2 UNITS

INSTRUCTIONS: Answer any 3 (three) questions. At least one (1) from each section

DATE: 09/09/2023_8:00AM

Time Allowed: 1hr 30mins

SECTION A

1. Write short notes on the following
 - (a) Artificial preservatives
 - (b) Chelating agents
 - (c) Antioxidants
- 2(a). Briefly explain the significance of mutation on bacteria.
- 2(b). State five ways of reducing resistance
- 3(a). Explain Agar well diffusion technique.
- 3(b). State the principle of Agar well diffusion technique.

SECTION B

- 4(a). Explain heat-based sterilisation with appropriate examples
- 4(b). In a tabular form, differentiate between sterilisation and disinfection
5. Briefly explain the bacterial growth phase.