



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

COURSE TITLE: GENERAL MICROBIOLOGY I (FOR MICROBIOLOGY STUDENTS)

COURSE CODE: MCB211

UNIT: 2 UNITS

INSTRUCTIONS: Answer any three (3) questions.

DATE: 09/09/2023 8:00AM

Time Allowed:

1hr 30mins

1. Write short notes on the following

(a) Germ theory of disease

(b) Archaea

(c) Coliphages

(d) Horizontal gene transfer

2. (a) Draw a well-labelled prokaryotic cell

(b) List five basic component of a bacteria cell and specify their functions.

(c) In a tabular form, state the distinguishing features between prokaryotic and eukaryotic cell

3. (a) Describe the methods of naming bacteria.

(b) List five (5) Microbiologists and their major contributions to the history of Microbiology.

- 4.** Discuss binary fission in bacteria.
- 5.** Write short note on any two (2) of the following:
- (a)** Classification of organisms
 - (b)** Mechanism of bacteria evolution
 - (c)** Asexual reproduction in eukaryotes