



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

MAIN EXAMINATIONS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER EXAMINATIONS

FOR DIPLOMA

IN

APPLIED BIOLOGY

COURSE CODE: DSB 020

COURSE TITLE: TAXONOMY 1- MONERA

DATE: THURSDAY, 21ST APRIL 2022 TIME: 8:00 – 10:00 A.M.

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and ANY TWO questions in section B.

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over. ►

DSB 020: TAXONOMY 1-MONERA

SECTION A (SHORT ANSWER QUESTIONS, 40 MARKS)

1. Define the following terms; (5 marks)
- i) Saprophytes
 - ii) Halophiles
 - iii) Lichen
 - iv) Thermophiles
 - v) Symbiosis
2. Highlight any FIVE characteristics of fungi. (5 marks)
3. State the functions of the following parts of a mushroom; (5 marks)
- i) Stalk
 - ii) Mycelium
 - iii) Gills
 - iv) Volva
 - v) Cap
4. Name FIVE growth requirements in bacteria. (5 marks)
5. Outline FIVE Characteristics of all living organisms. (5 marks)
6. Name TWO ways in which bacteria reproduce sexually and any THREE asexually. (5 marks)
7. Outline any FIVE features of kingdom Protista. (5 marks)
8. Distinguish between obligate anaerobes and facultative anaerobes. (5 marks)

SECTION B (ESSAY QUESTIONS, 30 MARKS)

9. Discuss the modes of nutrition in fungi. (15 marks)
10. Describe the morphology of bacteria. (15 marks)
11. Discuss the economic importance of monera. (15 marks)