



(University of Choice)

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

MAIN CAMPUS

UNIVERSITY MAIN EXAMINATION

FOR

BSC. AGRICULTURAL EDUCATION AND EXTENSION

ODEL PROGRAM

2021/2022 ACADEMIC YEAR

SECOND YEARS FIRST SEMESTER

COURSE CODE: SBN 211

COURSE TITLE: TAXONOMY

DATE: 28/04/2022

TIME: 8- 10 PM

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and ANY TWO in B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

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

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

Question One (15 marks)

- a) Elucidate the contribution of the following taxonomist 10 Marks
- i) Carl Linnaeus (1707-1778)
 - ii) John Ray (1628-1705)
 - iii) George Betham (1800-1884)
 - iv) Charles Edwin Bessey (1845-1915)
 - v) Adolf Engler (1844-1930)
- b) Outline 5 reasons why the study of taxonomy is encouraged in the Universities 5 Marks

Question Two (15 marks)

- a) Pteridophytes are the most advanced among cryptogams. Justify with 5 points 5 Marks
- b) Delineate 4 general salient features of phanerogams 4 Marks
- c) Identify 2 classes of the division angiosperms 2 Marks
- d) Outline any 4 distinctive differences between the classes identified 4 Marks

SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)

Question Three (20 marks)

- a) Classify banana from kingdom to species 14 Marks
- b) Expatiate on 2 methods used to record and preserve plant species for future use 6 Marks

Question Four (20 marks)

- a) What is binomial nomenclature 2 Marks
- b) Explain 4 rules for binomial nomenclature 8 Marks
- c) Outline 5 advantages of binomial nomenclature in banana 5 Marks

Question Five (20 marks)

Dilate on Eitcher Model of classification 20 Marks