



(University of Choice)

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

**UNIVERSITY EXAMINATIONS**

**2021 / 2022 ACADEMIC YEAR**

**MAIN EXAMINATIONS  
MAIN CAMPUS**

**FOURTH YEAR SECOND SEMESTER EXAMINATIONS**

**FOR THE DEGREE  
OF  
BACHELOR OF SCIENCE IN BIOLOGY / AGRICULTURAL  
EDUCATION AND EXTENSION / EDUCATION (SCIENCE)**

**COURSE CODE: SBT 221 / SBT 421**

**COURSE TITLE: ETHNOBOTANY**

**DATE: TUESDAY, 19<sup>TH</sup> APRIL 2022 TIME: 3:00 – 5:00 P.M.**

**INSTRUCTIONS TO CANDIDATES**

Answer ALL questions in section A and ANY TWO selected from section B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over ►  
**SBN 221 / SBT 421: ETHNOBOTANY**

**SECTION A: (SHORT ANSWER QUESTIONS, 40 MARKS)**

1. Explain the meaning of the term ethnobotany. (5 marks)
2. Distinguish ethnomedicine and ethnopharmacology. (5 marks)
3. Differentiate abstract and concrete relationships between man and plants. (5 marks)
4. What is a botanical garden? (5 marks)
5. Describe a voucher specimen. (5 marks)
6. List any five instruments or methods of analysis of plant medicinal compounds. (5 Marks)
7. Explain the principle of Doctrines of Signatures as used in ethnobotany. (5 marks)
8. Distinguish primary and secondary plant metabolites giving specific examples. (5 marks)

**SECTION B (ESSAYQUESTIONS, 30 MARKS)**

9. Discuss the role of botanical gardens and herbarium in plant sciences. (15 marks)
10. Describe how you would prepare, how and where to carry out an ethno-botanical survey.  
(15 marks)
11. Describe how to collect, prepare and analyse medicinal plant compounds. (15 marks)