



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY

COURSE CODE: SBT 421

COURSE TITLE: ETHNOBOTANY

DATE: 21ST JANUARY 2022

TIME: 2.00 – 4.00 PM

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over 

KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

- a) Distinguish four disciplines in ethnobotany (4 Marks).
- b) Elucidate any five tasks of applied ethnobotany (5 Marks).
- c) Explain why the oil from *Ricinus communis* cannot be fed on animals (4 marks).
- d) Define medicinal plants according to the World Health Organisation (4 Marks).
- e) Elucidate the compounds present in *Papaver somniferum* and how they are exploited in conventional medicine. (5 Marks).
- f) Elucidate any three ethnobotanical myths that enhance conservation (3 Marks).
- g) Distinguish between primary and secondary plant metabolites (5 Marks).

QUESTION TWO

Describe how to carry out a long term ethnobotanical study in a given area (20 Marks).

QUESTION THREE

Discuss oil plants (20 Marks).

QUESTION FOUR

Write an essay on exploitation of medicinal plants in Kenyan communities (20 Marks).

QUESTION FIVE

Discuss the conservation of valuable indigenous and endangered plants. (20 Marks).