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*(Knowledge for Development)*

# **KIBABII UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2019/2020 ACADEMIC YEAR**

### **FIRST YEAR FIRST SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF EDUCATION SCIENCE AND  
BACHELOR OF AGRICULTURAL EDUCATION AND EXTENSION**

**COURSE CODE:** SBT 100/SBT 114  
**COURSE TITLE:** SURVEY OF PLANT KINGDOM/GENERAL  
BOTANY

**DATE:** 5<sup>th</sup> February, 2021      **TIME:** 2:00 - 4:00 p.m.

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#### **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

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1. (a) Define the following:
    - i. Cryptogams
    - ii. Phanerogams
    - iii. Tracheophytes
    - iv. Monocotyledons
    - v. Dicotyledons

(5 marks)
  - (b) Explain the importance of lichens 

(5 marks)
  - (c) Write short notes on:
    - (i) Basidiomycota
    - (ii) Cycadales

(5 marks)
  - (d) Briefly explain the basis of lichen classification 

(5 marks)
  - (e) State and describe the subclasses of pteridophyta. 

(5 marks)
  - (f) Explain the salient characteristics of the Bryophyta 

(5marks)
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2. Discuss ecological adaptations of gymnosperms 

(20 marks)
  3. Describe the characteristics of Bryophytes 

(20 marks)
  4. Discuss reproduction in Fungi . 

(20 marks)
  5. Discuss evolutionary adaptations of Angiosperms 

(20 marks)