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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: 5th February, 2021 **TIME:** 2:00 - 4:00 p.m.

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)