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COLLEGE

... Bastion of Knowledge ...

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**OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, STUDENT AFFAIRS AND RESEARCH**

UNIVERSITY EXAMINATIONS

2020 /2021 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER MAIN EXAMINATION

**FOR THE DEGREE OF BACHELOR OF
EDUCATION SCIENCE**

COURSE CODE: ZOO 200E

**COURSE TITLE: SYSTEMATICS AND TAXONOMY
(PLANTS)**

DATE: 9TH MARCH 2021

TIME: 2.00 P.M – 5.00 P.M

INSTRUCTIONS TO CANDIDATES

- **SEE INSIDE**

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

REGULAR – MAIN EXAM

ZOO 200E: SYSTEMATICS AND TAXONOMY (PLANTS)

STREAM: BED (SCIENCE)

DURATION: 3 Hours

INSTRUCTION TO CANDIDATES

- i. Answer ALL questions from section A and any **THREE** from section B.*
- ii. Diagrams should be used whenever they serve to illustrate the answer.*
- iii. Do not write on the question paper.*

SECTION A (24 MARKS)

Question One

- (a). Define the following terms.
- i). Systematics (2 Marks)
 - ii). Taxonomic Character (2 Marks)
 - iii). Classification (2 Marks)
- (b). Why would a student of biology regard an avocado as living organism? (6 Marks)

Question Two

- (a). Living organisms are arranged from the largest group to the smallest group. Using an appropriate example indicate the groups from the largest to the smallest. (6 Marks)
- (b). What are uses of hierarchical classification? (6 Marks)

SECTION B (36 MARKS)

Question Three

- (a). What are the two ideas that Natural classification is based on? (4 Marks)
- (b). Discuss four kinds of characters of taxonomy. (8 Marks)

Question Four

- a) What is Dichotomous Key? (4 Marks)
- b) Explain the four ways of presenting types of Dichotomous Keys. (8 Marks)

Question Five

State six significances of plant taxonomy. (12 Marks)

Question Six

What are six trends in Biosystematics? (12 Marks)

Question Seven

Discuss six modern trends in plant taxonomy. (12 Marks)
