



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

P.O. Box 62157
00200 Nairobi - KENYA
Telephone: 891601-6
Fax: 254-20-891084
E-mail: academics@cuea.edu

MAIN EXAMINATION

JANUARY – APRIL 2018 TRIMESTER

FACULTY OF SCIENCE

DEPARTMENT OF BIOLOGY

REGULAR PROGRAMME

BIO 202: PLANT STRUCTURE AND FUNCTION

Date: APRIL 2018

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and any other TWO Questions

- Q1. a) Diagrammatically represent Pteridophytes life cycle (5 marks)
- b) Define alteration of generation (2marks)
- c) Briefly discuss why Cells of plants are generally small in size (2marks)
- d) Distinguish on the types of meristems (6marks)
- e) Explain the different patterns of thickening in the xylem vessels (4marks)
- f) Explain various leaf adaptation structures and there functions (3marks)
- g) Describe the fruit formation process and its parts (4marks)
- h) Briefly explain transport via plasmodesmata in plants. (4marks)
- Q2. Write an essay on Tissues (20marks)
- Q3. Discuss the Seed Structure (20marks)
- Q4. Discuss Life cycle of Phanerogams (20marks)
- Q5. Describe Principles of movement of substances in Plants (20marks)

END