



W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATIONS 2016/2017**

**YEAR II SEMESTER I EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE**  
**IN LAND RESOURCE PLANNING AND MANAGEMENT**  
**SBT 2302: TAXONOMY OF HIGHER PLANTS**

**DATE: DECEMBER 2016**

**TIME: 2 HOURS**

**INSTRUCITONS: Answer question one and any other two**

**QUESTION ONE**

- a. Using relevant examples define the following terms:
- i. *Nomina rejeciada* (1 mark)
  - ii. Cultivar (1 mark)
  - iii. Species (1 mark)
  - iv. Typification (1 mark)
  - v. Synonym (1 mark)
- b. Briefly discuss mellitophily. (5 marks)
- c. Explain why and how plants are assigned scientific names. (5 marks)
- d. Briefly discuss characteristics of sapromyophilous flowers. (5 marks)
- e. i. Briefly outline the importance of pollination specialization. (5 marks)
- ii. Define typification and state its importance. (5 marks)

**QUESTION TWO (20 MARKS)**

Discuss the various sources of taxonomic literature.

**QUESTION THREE (20 MARKS)**

Discuss co-evolution citing relevant examples.

**QUESTION FOUR (20 MARKS)**

Discuss plant families of economic importance in crop agriculture.