



# **SOUTH EASTERN KENYA UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2017/2018**

### **FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN DRYLAND AGRICULTURE**

#### **DAS 304: PERENNIAL CROPS**

**DATE: 05<sup>TH</sup> DECEMBER, 2017**

**TIME: 4.00 -6.00 PM**

*Instructions: Answer all questions in Section A and any two questions in section B*

#### **SECTION A (30 marks)**

- Q1. Distinguish between *Coffea arabica* and *Coffea robusta* (4 marks)
- Q2. Describe crop life cycle classification (6 marks)
- Q3. Explain the procedure of harvesting and post-harvest practices in sugarcane production (10 marks)
- Q4. Briefly describe the harvesting of tea for green tea processing (10 marks)

#### **SECTION B (40 marks)**

- Q5. Describe the edaphic factors affecting distribution of perennial crops in Kenya (20 marks)
- Q6. Discuss the various social, economic, environmental and technical issues relating to production of biofuel (20 marks).
- Q7. Describe the major pests that attack coffee stating the damage caused by each pest (20 marks)