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**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

# University Examinations 2014/2015

**YEAR II SEMESTER II EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE**

# AHS 2211: ANNUAL CROPS

**DATE: APRIL, 2015**  **TIME: 2 HOURS**

**INSTRUCTIONS: Answer ALL Questions**

**Question One**

a) What do you understand by: [6 marks]

1. Annual crops?
2. Biennial crops?
3. Perennial crops?

b) With one example each, explain the following types of crops. [12 marks]

1. Pulses
2. Root and tuber crops
3. Cereals
4. Bulbous plants
5. Medicinal plants
6. Aromatic plants

c) State six general characteristics of root and tuber crops compared with cereals.

[12 marks]

**Question Two**

a) Discuss five cropping systems enumerating both advantages and disadvantages of each. [10 marks]

b) Discuss the role of five agronomic factors in the production of leafy and fruit vegetables. [10 marks]

**Question Three**

Discuss the major emerging issues that are likely to hinder maximum productivity of annual crops in this century and suggest ways to overcome their impact. [20 marks]