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CAG 012



**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS  
MAIN EXAMINATION FOR  
CERTIFICATE IN GENERAL AGRICULTURE**

**COURSE CODE: CAG 012**

**COURSE TITLE: ANNUAL AND PERENNIAL CROPS**

**DATE: 26<sup>TH</sup> APRIL, 2022**

**TIME: 8-10 AM**

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**INSTRUCTIONS TO CANDIDATES**

**Answer ALL questions in section A and any TWO in section B**

**Time: 2 hours**

**Total Marks=70**

*MMUST observes ZERO tolerance to examination cheating*

**SECTION A: ANSWER ALL QUESTIONS (30 MARKS))**

1. Differentiate between annual and perennial crops stating their importance(3marks)
2. State the ecological requirements of beans(4marks)
3. Discuss 5 nutritional benefits of cowpea (5marks)
4. Name 10 factors affecting cane quality(5marks)
5. State symptoms of any banana disease(5marks)
6. Discuss the steps followed in the establishment of kales(8marks)

**SECTION B: ANSWER ANY TWO QUESTIONS (40 MARKS)**

7. Discuss the steps followed on establishment of tea (20marks)
8. Discuss the major pest and diseases that attack coffee (20 marks)
9. Discuss maize production under the following sub-headings;(20 marks)
  - a) Major pest and their control measures
  - b) Major weeds and their control measures
  - c) Major diseases, symptoms and their control measures