



(University of Choice)

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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

**2021 /2022 ACADEMIC YEAR (REGULAR)
SECOND YEAR SECOND SEMESTER EXAMINATIONS**

SUPPLEMENTARY/SPECIAL EXAMINATIONS

DIPLOMA IN GENERAL AGRICULTURE (DAG)

COURSE CODE: DAG 078

COURSE TITLE: PERENNIAL CROPS

DATE: 29.7.22

TIME: 11-1pm

INSTRUCTIONS TO STUDENTS

Answer all questions in section A

Answer any **TWO** questions in section B

MMUST observes ZERO tolerance to examination cheating

SECTION A (Answer All Questions)

30marks

1. (a) Define the following terms as used in coffee production (3mks)
 - (i) Fly picking
 - (ii) Stripping
 - (iii) Hulling
- (b) Name two types of coffee in Kenya (2mks)
- (c) You are an extension officer and while at the farmers field you notice the coffee crop attacked by coffee berry disease(CBD).Outline the symptoms and advice the ways of control (5mks)
2. (a) what is the scientific name of sugarcane (1mk)
- (b) State **FOUR** major characteristics of KEN 83-737 as one of the sugarcane varieties (4mks)
- © Explain five factors affecting cane quality (5mks)
3. a) State 3 methods of pegging in tea production (3mks)
- b) Explain hardening off in tea farming (2mks)
- c) Discuss constraints limiting tea production in Kenya (5mks)

SECTION B Answer any two questions (40mks)

4. a) Discuss the challenges that have impacted on overall performance of sugarcane industry (10mks)
- b) You are an extension officer and while at the farmers field you notice the sugarcane crop attacked by Ratoon stunting disease disease(RSD).Outline the symptoms and advice the ways of control (10 mks)
5. a) Discuss the characteristics and uses of coconuts (10mks)
- b) Identify any (1) of the pest/insect that attack the coconut plant. Briefly discuss the symptoms and control (10mks)
6. a) Giving an example, briefly discuss the Challenges that have impacted on overall performance of the sugar industry in Kenya (10mks)
- b) Assume you have visited a farmers\ farm and identified the crop is attacked by Ratoon Stunting Disease. Identify the casual agent of RSD in sugarcane and its mode of spread and discuss the symptoms and control of this disease. (10mks)