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DAG 071/DAH 071



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)
SCHOOL OF AGRICULTURE, VETERINARY SCIENCES AND
TECHNOLOGY (SAVET)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER MAIN EXAMS
FOR
DIPLOMA IN GENERAL AGRICULTURE AND HORTICULTURE**

COURSE CODE: DAG/DAH 071

COURSE TITLE: SEED PRODUCTION AND CERTIFICATION

DATE: 5.12.23

TIME: 3-5PM

INSTRUCTIONS TO CANDIDATES

This paper is divided into two sections, **A and B**. Answer ALL Questions in SECTION A and SECTION B

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

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SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

Q1. Define the terms in seed production (4mks)

- i) Seed
- ii) Seed merchant
- iii) Seed growers
- v) Seed certification

Q2. Other than a mature fertilized ovule name any **Six** seed materials (6mks)

Q3. Differentiate between scientifically produced seeds and grain (Used as seeds (4mks)

Q4. State **Four** importance of seed production (4mks)

Q5. a) Cite the seed legislation Act of parliament in Kenya: (2mks)

b) Name the institution mandated by the act to regulate transactions in seed

(1mks)

c) State the powers conferred by the act of parliament in regulating transactions in seeds (5mks)

Q6. a) Define Intellectual property rights (IPR) (1mks)

b) State the gains that are achieved in new varieties when seed producers respect IPR (4mks)

c) Briefly describe the types of IPR Systems used by Seed Suppliers (9mks)

SECTION B (30 Marks)

Q7 County Government of Kakamega, Agriculture department has organized a field day at Bukhungu stadium. The audience will be seed growers and seed producing companies. You have been invited to address them on the seed quality attributes.

Discuss your presentation (15mks)

Q8. Discuss the classes of certified seed of released varieties that are recognized by seed certifying agencies. (15mks)