



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF**

**SCIENCE AND TECHNOLOGY**

**(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**THIRD YEAR SECOND SEMESTER MAIN EXAMINATIONS**

**FOR DIPLOMA IN GENERAL AGRICULTURE**

**COURSE CODE: DAG 090**

**COURSE TITLE: Information Technology in Agriculture**

**DATE: 25<sup>TH</sup> APRIL, 2022**

**TIME: 3-5PM**

---

**INSTRUCTIONS**

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

**Duration: 2 HRS**

*MMUST observe Zero tolerance to examination cheating*

**SECTION A 30 MARKS ANSWER ALL QUESTIONS**

1. a. Define the following terms as related to agriculture **(5 marks)**
  - i. Information
  - ii. Agricultural Start-ups
  - iii. Data
  - iv. Remote sensing
  - v. Information Technology
- b. As a student explain five ways you can apply mobile phone to promote farmers outreach in rural Kenya **(10 Marks)**
2. List and explain 5 areas where Information Technology can be applied in Agriculture **(10 Marks)**
3. Outline five e-Agriculture startups and their roles in Kenya. **(5 Marks)**
4. Explain five benefits of applying Information Technology in Agriculture in Kenya **(5 Marks)**

**SECTION B (40MARKS) Attempt any two questions**

5. a. Briefly explains challenges facing farmers in applying Information Technology in Kenya today. **(10 Marks)**
  - b. State and explain five technologies been applied in agricultural with the aim of improving output. **(10 Marks)**
6. a. How can a farming organization apply IT in its daily routines? **(10 Marks)**
  - b. How is Kenyan Government supporting application of Information Technology in Farming **(10 Marks)**
7. Draft an AppDevelopment proposal to create an app to help farmers' sales their products online. **(10 Marks)**

**END**