



(University of Choice)

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

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2020/2021 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER EXAMINATIONS

SUPPLEMENTARY / SPECIAL

FOR DIPLOMA IN GENERAL AGRICULTURE

COURSE CODE: *DAG 090*

COURSE TITLE: *Information Technology in Agriculture*

DATE: 4.8.2022

TIME: 11-1PM

DURATION: 2 HRS

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

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. Explain five benefits of applying Information Technology in Agriculture in Kenya (5 Marks)

SECTION B (40MKS) Attempt any two questions

4. 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)
5. 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)
6. Draft an AppDevelopment proposal to create an app to help farmers sales their products online. (10 Marks)

END