



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
MAIN EXAMINATION
2021/2022 ACADEMIC YEAR**

THIRD YEAR SECOND SEMESTER EXAMINATION

**FOR THE DEGREE
OF
BSc. AGED**

COURSE CODE: AEX 380/304

COURSE TITLE: AGRICULTURAL INFORMATION MANAGEMENT

DATE: 22/4/2022

TIME: 12-2 PM

MMUST observes ZERO tolerance to examination cheating.

Instructions

Answer all questions in section A and any Two in section B

SECTION A

1. a) Distinguish between data and information. (2 marks)
b) Outline three characteristics of good information. (6 marks)
2. State importance of information systems and describe the 5 resources in basic information system model. (15 marks)
3. Outline any three advantages and three disadvantages that are associated with the following strategies that are used for data collection.
 - i) Questionnaire
 - ii) Focus Group Discussion (FGD)
- 4 Describe the following types of information storage systems that you would use to store information for your organisation.
 - i) Achieve
 - ii) Computer data storage
5. Outline 5 file organisation models and briefly describe each one. (10 marks)

SECTION B

6. Describe the 4 components that make up an agricultural knowledge system. (10 marks)
7. Describe the major players in the agricultural knowledge and information system (AKIS) in Kenya, and clearly explain the role of each.
9. Discuss some of the challenges that are likely to be facing each of the players in AKIS, with respect to information management.