

10



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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

FIRST YEAR FIRST SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
MASTER OF SCIENCE IN DISASTER MANAGEMENT AND
SUSTAINABLE DEVELOPMENT AND RELATED COURSES**

COURSE CODE: DSM 801

COURSE TITLE: FAMINE AND FOOD SECURITY

DATE: 6/12/2023

TIME: 2-5 P.M

INSTRUCTIONS TO CANDIDATES

Answer THREE (3) questions
Question ONE (1) is compulsory and any other 2 questions

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over. ►

Question ONE (20 marks)

- (a)
- (i) Define the term 'food security' according to Food and Agriculture Organization (FAO) (2 Marks)
 - (ii) Identify and explain the four dimensions of food security (4 Marks)
 - (iii) What is food balance sheet? (2 Marks)
- (b) Identify the main types of drought (3 Marks)
- (c) Explain five indicators of food security (5 marks)
- (d) What is food security coping mechanism? (4 Marks)

Question TWO (20 marks)

- (a) Using relevant examples from Africa discuss the impact of conflict on food security (10 Marks)
- (b) Outline factors hindering effective contribution of women to food security in Africa (10 Marks)

Question THREE (20 marks)

- (a) Explain how you can utilize the Integrated Phase Classification to design a food security recovery program (10 Marks)
- (b) Critically examine factors that may account for food insecurity in a region experiencing increased food supply (10 Marks)

Question FOUR (20 marks)

- a) Explain how early warning systems can be utilized to counter food insecurity and malnutrition in Africa (6 Marks)
- b) Examine the various food security coping strategies used by households during food shortage (6 marks)
- c) Discuss measures you can utilize to protect agriculture from adverse climate change impacts in Kenya (8 Marks)