



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

**MAIN/KAKUMA CAMPUS  
MAIN EXAM**

**UNIVERSITY EXAMINATIONS  
2023/2024 ACADEMIC YEAR**

**FOURTH YEAR FIRST TRIMESTER MAIN EXAMINATIONS  
FOR THE DEGREE  
OF  
BSC. HUMAN NUTRITION AND DIETETICS**

**COURSE CODE: HND 401  
COURSE TITLE: FOOD SECURITY AND POLICY  
ANALYSIS**

**DATE: 14/12/2023**

**TIME: 12.00 – 2.00 PM**

**INSTRUCTIONS TO CANDIDATES**

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Answer all questions in SECTION A and B  
Answer only TWO questions in SECTION C  
Read additional instructions under various sections

TIME: 2Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 3 Printed Pages. Please Turn Over.

**Section A Answer all questions.**

1. What is food security?
  - A It is about ensuring everyone's access to food.
  - B It focuses primarily on ending micronutrient malnutrition.
  - C It relates to efforts to prevent terrorists from poisoning food supplies.
  - D Its component elements include availability, utilisation, access, and stability.
  
2. Amartya K Sen emphasizes that having enough to eat depends on \_\_\_\_\_.
  - A Society's system of entitlement.
  - B An egalitarian income distribution.
  - C low poverty rates.
  - D Society's high Gini concentration.
  
3. Food \_\_\_\_\_ refers to people's rights to define their own food and agriculture policies, as well as to protect and regulate domestic agricultural production and trade.
  - A Sovereignty
  - B Regime
  - C System
  - D Policy.
  
4. \_\_\_\_\_ was established on 16 October 1945 to achieve food security for all peoples and ensure that they have regular access to sufficient high-quality food in order to live active, healthy lives.
  - A UNICEF.
  - B FAO.
  - C WFP.
  - D CGIAR
  
5. \_\_\_\_\_ is below the income that secures the bare essentials of food, clothing, and shelter.
  - A Income inequality
  - B Absolute poverty
  - C Sen's poverty index
  - D Purchasing-power poverty
  
6. What role do women play in food security?
  - A Their efforts focus mainly on vegetable gardens and chicken as men are involved in cereal crops and larger livestock.
  - B They weed the fields but never plough or plant them as only men are strong enough for those activities.
  - C They play a central role as producers of food, income earners and caretakers of household nutrition.
  - D Their main role is preparing meals.

7. Which of the following is not a consequence of growing agricultural commercialization?
- A An increase in the number of landless laborers.
  - B An increase in rural poverty.
  - C Women gain in decision making power.
  - D Worker's nutrition is reduced.
8. Seasonal hunger is most common in \_\_\_\_\_.
- A Urban areas.
  - B Rural areas.
  - C Metro cities.
  - D Forests.
9. What caused the food-price spike of 2007-2008?
- A Commodity price speculation.
  - B The use of food crops to produce biofuel caused food prices to rise.
  - C Long-term neglect of agricultural and rural development.
  - D All of the above.
10. How will climate change affect future food security?
- A The impact will be negative as there will be no water for farming.
  - B The impact will be positive because there will be more carbon dioxide available for plant photosynthesis.
  - C The impact will be positive, because drier weather will mean less habitat for malaria mosquitoes, so fewer workers will be sick at harvest time.
  - D It will have negative impacts in most developing countries because of the increased frequency of droughts, storms, and floods.

**Section B. Short answer questions. Answer all questions (6 marks each, total 30 marks)**

11. Give 6 reasons why studying food security is important.
12. List 6 common indicators of nutritional status in children
13. List 6 goals for a sustainable food policy critical for the 21<sup>st</sup> century food policy as proposed by Lang et al.
14. Explain how Covid 19 pandemic and the lockdown raised the risk of long-term food insecurity.
15. List 6 consequences of food insecurity

**Section C. Long answer questions. Answer any two questions (15 marks each)**

16. Explain the concept of food security and describe the challenges it is facing at global level and come up with a set of recommendations to respond to these challenges at country level and at the global level.
17. As the Food and agricultural advisor to the President suggest a food policy framework that will make citizens food secure.
18. Governments implement different types of programmes to support healthier food choices that often have food security and nutrition objectives. Discuss the effectiveness of these policies in the context of socio-economic aspects of food security and nutrition, and specifically food choices.