



*University of Choice*

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

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**MAIN EXAMINATION**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS**

**FOR THE DEGREE OF**

**MSC. PUBLIC HEALTH NUTRITION**

**COURSE CODE: PHN 875**

**COURSE TITLE: NUTRITIONAL EPIDEMIOLOGY**

**DATE: 22<sup>ND</sup> APRIL 2022**

**TIME: 9.00AM- 12.00PM**

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***INSTRUCTIONS TO CANDIDATES***

There are three sections in the paper, answer questions in **ALL** the three sections.

1. **QUESTION PAPER** comprises of 5 essay type questions. Answer **ALL**

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating.

This Paper Consists of 2 Printed Pages. Please Turn Over

**ANSWER ANY FOUR QUESTIONS**

- 1) a) Explain the significance of conduct nutritional surveys? **(5 marks)**  
b) Classify nutritional surveys **(10 marks)**  
c) Describe the criteria for selection of a nutritional intervention **(10 marks)**
  
- 2) a) Enumerate the advantages of an experimental study design **(5 marks)**  
b) Describe the features of a Randomized Control Trial **(10 marks)**  
c) Discuss the ethical concerns of conducting interventional studies **(10marks)**
  
- 3) a) Why do health care providers assess clients' nutritional status **(5marks)**  
b) Tabulate the dietary assessment methods commonly used in different study designs **(4 marks)**  
c) Distinguish between nutritional screening and assessment **(8 marks)**  
d) Describe different methods of conducting nutritional assessment **(8 marks)**
  
- 4) a) Compare between the duties of a Health Care Professional and those of an Epidemiologist **(8 marks)**  
b) Briefly outline the functions of epidemiology **(7 marks)**  
c) Use relevant examples to illustrate descriptive epidemiologic approach **(10 marks)**
  
- 5) Identify five distinct differences between micronutrients supplementation and fortification **(5 marks)**  
b) Micronutrient deficiency conditions are global in scope, with developing countries suffering most from such "silent epidemics". Discuss different approaches to combating micronutrient malnutrition at the level of populations and vulnerable groups. **(10 marks)**  
c) Explain how different programmes under the auspices of Nutrition and Dietetics Unit of the Ministry of Health address unique nutritional needs of the Kenyan population **(10 marks)**