



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS
UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR
OF

PHD OF PUBLIC HEALTH NUTRITION
MAIN EXAM

COURSE CODE: PHN 911

COURSE TITLE: SOCIAL AND BEHAVIORAL SCIENCES

DATE: 27/4/2022

TIME: 9-12

INSTRUCTIONS TO CANDIDATES

- a. This examination contains 5 long answer questions each 25 marks.
- b. Question 1 is compulsory, and choose any other 3 questions
- c. Write all answers in the answer booklet provided
- d. Write the university registration number on each piece of paper used.

MMUST observes **ZERO** tolerance to examination cheating.

INSTRUCTIONS TO CANDIDATES

This examination contains 5 long answer questions each 25 marks. Questions 1 is compulsory, and choose any other 3 questions (Total 100marks).

Compulsory Question

1. Due to the complex challenges of population health and healthcare delivery, the need for public health scholars with expertise in social and behavioral sciences continues to grow in academia, research and practice. Discuss each of this domain (25 marks)

Choose any 3 questions

2. Discuss the behavioral aspects of non-alcoholic fatty liver diseases that describes
 - a) Diet (7 marks)
 - b) Causes (7 marks)
 - c) Treatment (11 marks)
3.
 - a. Describe the relationship between nutrition and neuro-cognitive functions in schizophrenia (15 marks)
 - b. Explain in details the impact of diet in treatment of schizophrenia (10 marks)
4. Illustrate with clear descriptions the impact of cortical spreading depression as a model for studying brain and consequences of malnutrition (25 marks)
5. Discuss the role of diet in **FIVE** key areas of brain neurophysiology that are related to mental health and performance (25 marks)