



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF PUBLIC HEALTH AND BIOMEDICAL SCIENCES AND
TECHNOLOGY

Department of Nutrition

ACADEMIC YEAR 2022 – 2023

PHN 875: NUTRITIONAL EPIDEMIOLOGY

General Instructions

1. Write your University Registration Number on every booklet that you use.
2. Do not write your name on any papers you use.
3. **Answer any four questions.**
4. Each question contains a total of 25 marks.
5. The time allowed for this Paper is **Three (3) hours.**
6. Observe carefully further instructions on the cover of Answer Booklets.

DATE 11/ 04/ 2023

TIME 2.00 to 5.00 PM

LEQ 4

Indicate which study design is a) appropriate for the following and b) justify the choice: a) To find out if iodization of common salt is effective in the prevention of goiter

b) To document the nutritional status of under - fives in a community

c) To find out the best way to use a donated but expensive fortified foodstuff for use in the recipient country

d) To find out if Health Education is effective to advocate for breast milk against formula feeds in infants

e) To show that fungus contaminated grain are the causal agent for liver disease

(25 marks)

LEQ 5

Explain the following concepts

a) validity versus reliability in questionnaire development

b) efficacy versus effectiveness on health systems research

c) Accuracy versus precision in measurements

d) Equity versus equality in health care delivery

e) The utility of standardization of rates

(25 marks)