2C

(*University of Choice*)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATIONS
FOR THE DEGREE
OF
DOCTORATE IN PUBLIC HEALTH NUTRITION

COURSE CODE: PHN 902
COURSE TITLE: QUANTITATIV E AND QUALITATIVE PROFICIENCY

DATE: 21/04/2022   **TIME:** 2.00-5.00PM

INSTRUCTIONS TO CANDIDATES

Answer question one (COMPULSORY) and any other three questions.

TIME: 3Hours

MMUST observes ZERO tolerance to examination cheating

INSTRUCTIONS

Answer question one (COMPULSORY) and any other three questions. TOTAL; 70mks

1. Nuru is a PhD student who has developed an innovative, nutritious food product. She wants to conduct acceptability studies among school going children aged 4 to 10 years, using mixed research methods.
   Guided by the 5 questions to consider in choosing a research approach, develop a questionnaire that Nuru could use for the study   (25mks).

2. a) Using examples in each case, differentiate between probability and non-probability sampling methods   (6mks)
   b) You plan to conduct a household survey to determine the effect of COVID 19 on food security in Kakamega County, Using a population of 10,000 households, calculate the sample size at:
   i.   5% confidence interval and 95% confidence level
   ii. 5% confidence interval and 99% confidence level
   iii. 2% confidence interval and 99% confidence level   (9mks)

3. David has collected qualitative data in the form of audio recordings. Explain how he will handle the data until when he begins writing his report   (15mk)

4. COVID 19 has necessitated various research studies to be conducted, as it is a new virus. Giving reasons for your choice, discuss the research design that would be appropriate to study the effect of COVID 19 on women's nutrition in the rural areas.   (15mks)

5. a) Qualitative research is more inductive rather than deductive. Using examples, explain this statement   (10mks)
   b) Highlight any 5 limitations of qualitative research   (5mks)