



“Investing in Africa”

AFRICA
UNIVERSITY
A United Methodist-Related Institution

**COLLEGE OF HEALTH,
AGRICULTURE AND NATURAL SCIENCES**

NSNS 308: RESEARCH METHODOLOGY

END OF SECOND SEMESTER FINAL EXAMINATIONS

NOVEMBER 2021

LECTURER: DR. S CHITUKU

DURATION: 5 HRS

INSTRUCTIONS

Answer ONE questions

All questions carry equal marks (100).

DO NOT repeat material.

Submit via moodle

Question 1

Differentiate between the following;

- i. Research methodology and research methods 20 marks
- ii. Stratified sampling and cluster sampling. 20 marks
- iii. What are the main issues that should receive the attention of the research in formulating a research problem? 10marks
- iv. What do you understand by the term “research process”? With the aid of a diagram, describe exhaustibly what the research process involves. 20 marks
- vi. Discuss the concept of vulnerability in research. 5 marks
- v. Discuss the ethical issues of Tuskegee syphilis trial 25 marks

Question 2

- i. Explain the meaning and need of research design in a study.[10 marks]
- ii. What are the factors that one should consider when deciding on a data collection method to adopt for his study? 10 marks
- iii. Outline the differences between research design in exploratory research studies and descriptive studies. 20 marks
- iv. At What points should a researcher consider when developing a sample design for his project? 10 marks
- v. Discuss the principle of autonomy in the context of research on human participants 10 marks
- vi. Discuss the ethical concerns in qualitative research 10 marks
- vii. Research ethics has evolved from scandals in research. Defend this statement using examples from history 20 marks
- viii. What is plagiarism? What are the ethical implications? 10 marks

Question 3

- i. Belmont Report was written after the research scandals discuss. 25 marks.
- ii. Discuss the basis of justice in research and its applications 10 marks
- iii. Distinguish between primary, secondary and tertiary data sources as used in research work. 10 marks
- iv. You wish to undertake a research on how the city of Mutare has changed over the years until present. Outline how you would undertake this research; identify the possible data sources, classify them as either primary, secondary or tertiary; how you would collect the data, and if secondary, give the source organization. 15 marks
- v. State five factors you would consider in choosing a research topic. (5)
- vi. Briefly explain the importance of research in your special area of study. (5)

- vii. What are the advantages of using the interview method with the aid of an interview schedule for data collection? (5)
- viii. Describe convenience sampling. (5)
- ix. Outline the benefits of literature review in a study (10)
- x. Explain the following:
 - a. why students fail literature review (5)
 - b. Why students fail chapter 3 of the research methodology (5)