



**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES  
DEPARTMENT OF BIOMEDICAL AND LABORATORY SCIENCES**

**BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS DEGREE**

**NSHS204: RESEARCH METHODS AND ETHICS IN HEALTH CARE**

**END OF SEMESTER FINAL EXAMINATIONS**

**LECTURER: MR G. MALUNGA**

**3 MAY 2021 0900 hrs**

**DURATION: 7 HOURS**

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**INSTRUCTIONS**

1. Write your candidate number on your answer sheets.
2. Answer any **one** question of your choice.
3. Marks for each question are indicated in brackets at the end of the question.
4. Each full question carries 100 marks
5. Submit your answer script as a PDF.
6. Use the following specifications in your answer scripts:  
Font: Times New Roman  
Font size: 12  
Line spacing: 2.0
7. Credit will be given for logical, systematic and neat presentations.

**Answer any ONE question**

**Question 1**

Africa University is a Pan-African University consisting of students from all over Africa. The approximate number of students at Africa University is shown in Table 1 below.

**Table 1: Distribution of students at Africa University**

Country	%Males	%Females	Total number
Zimbabwe	55	45	850
Democratic Republic of Congo	60	40	400
Nigeria	50	50	100
Mozambique	70	30	50
Angola	40	60	60
Nigeria	60	40	40

You are required to carry out a study on the perceptions of students at Africa University towards the newly introduced HIV Self Test device. You want to come up with a sample of 120 students. Can you describe and explain in detail the best research design you would apply, the sampling procedure you would use in coming up with your sample size and also any ethical considerations you would put in place. [100]

**Question 2**

- a) Give a detailed analysis of 4 major historical atrocities in the history of health research ethics [50]
- b) Discuss in detail the fundamental principles of health research ethics [50]

**Question 3**

- a) Describe in detail the steps involved in conducting a health research. [70]
- b) Discuss the advantages and disadvantages of true experimental and quasi experimental research designs. [30]

**The End**