



**“Investing in Africa’s Future”**

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

**BACHELOR OF MEDICAL LABORATORY SCIENCES HONOURS DEGREE**

**NSLS 300 LABORATORY MANAGEMENT AND ADMINISTRATION**

**END OF FIRST SEMESTER FINAL EXAMINATIONS**

**15 NOVEMBER 2021**

**LECTURER: DR S MUTAMBU**

**DURATION: 5 HOURS**

---

***INSTRUCTIONS***

1. Write your candidate number on your answer sheets.
  2. Answer any **ONE** question of your choice.
  3. Each full question carries 100 marks
  4. Submit your answer scripts as PDF documents through Moodle ONLY.
  5. Use the following specifications in your answer scripts:  
Font: Times New Roman  
Font size: 12  
Line spacing: 2.0
  6. Credit will be given for logical, systematic and neat presentations.
-

**Answer any ONE question**

**Question 1.**

In your own words and using examples specific to the Medical Laboratory environment:

- a. Discuss the leadership styles defined in the Managerial Grid Model. **[90 marks]**
- b. What are the advantages and disadvantages of the Managerial Grid Model? **[10 marks]**

**Question 2**

The management of laboratory documents and records is one of the 12 essential elements of a Laboratory Quality Management System. The main aim of the maintenance of these documents and records is to find information whenever it is needed.

- a. In your own words and giving examples discuss the statement **“Documents are communicators of Quality Management Systems”** **[80 marks]**
- b. Giving examples, compare the advantages and disadvantages of electronic and paper based records. **[20 marks]**

**Question 3.**

- a. Give a detailed discussion of the key interrelated activities that make up the Logistics Management Cycle in a medical laboratory. **[60 marks]**
- b. Laboratory Supply and Logistics are very important in the management of medical laboratories.
  - i. Discuss some of the challenges that managers face in the quantification and procurement of medical laboratory commodities. **[20 marks]**
  - ii. What recommendations would you put forward to address these challenges? **[20 marks]**

**END OF EXAMINATION PAPER**