



**"Investing in Africa's Future"**

**COLLEGE OF BUSINESS, PEACE, LEADERSHIP AND GOVERNANCE**

**MMS202: QUANTITATIVE ANALYSIS I**

**END OF SEMESTER TERM PAPER**

**APRIL/MAY 2020**

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## **INSTRUCTIONS**

Answer **One** question.

Start **each** question on a new page in your answer booklet.

The marks allocated are shown at the end of **each** question.

Show all your workings where appropriate.

Credit will be given for logical, systematic and neat presentations.

1. Discuss the following:
  - a) Sampling techniques. [50 marks]
  - b) Descriptive statistics. [50 marks]
  
2. A manager wants to determine whether the performance of the company has increased. The manager recorded the performance of the company (in kilograms) for 200 days. The manager assumes that the production of the company was normally distributed.
  - a) Discuss the techniques for collecting data. [50 marks]
  - b) Explain the functions and limitations of statistics. [25 marks]
  - c) Discuss the appropriate statistical analysis techniques that can be used to analyse the data. [25 marks]
  
3. Attempt the following:
  - a) Discuss hypothesis testing. Explain the importance of statistics in decision making. [50 marks]
  - b) Discuss the process of gathering data. [50 marks]

**End of paper**

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