MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2012/2013

SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN MATHEMATICAL SCIENCES WITH INFORMATION TECHNOLOGY
(MAIN CAMPUS)

SMI 202: DATA MANAGEMENT

Date: 19th July, 2013   *Time: 11.00 a.m. - 1.00 p.m.*

INSTRUCTIONS:

♦ Answer ALL questions in SECTION A and ANY TWO in SECTION B.

♦ Indicate question numbers clearly at the top of each page.

♦ Observe further instructions on the answer booklet.

SECTION A (Compulsory 30 marks)

QUESTION ONE

a) Differentiate between unstructured and structured data. **[4 marks]**

b) State FOUR manual guidelines of implementing data management. **[4 marks]**

c) Describe data management in the context of financial data. **[6 marks]**

d) Highlight issues to be considered when implementing an electronic data management system. **[6 marks]**

e) Explain how one would ensure good data quality is achieved in a research project. **[10 marks]**

SECTION B (Attempt any TWO questions)

QUESTION TWO (Optional 20 marks)

a) State the roles and responsibilities in data management. **[6 marks]**

b) List FIVE components of a data management plan. **[5 marks]**

c) Briefly explain the importance of data management. **[9 marks]**

QUESTION THREE (Optional 20 marks)

a) There are a number of specialized data entry packages such as CSPro. Compare and contrast the suitability of CSPro and Access. **[8 marks]**

b) Explain SIX situations encountered in an organization that may lead to data management problems. **[12 marks]**

QUESTION FOUR (Optional 20 marks)

a)   Explain the importance of a query in data management.   **[2 marks]**

b)   State FOUR objectives in a typical data management policy. **[2 marks]**

c)   Explain the key steps of data management process.   **[16 marks]**

QUESTION FIVE (Optional 20 marks)

a) Explain two ways to control the entry of erroneous data on a computer system.

          [2 marks]

a) In most organizations, ethical considerations in the analysis of data and reporting of results are described within the reporting guide. State SIX considerations that have to be borne in mind when handling data.   **[6 marks]**

b) Describe what documentation entails in data management project planning.

          [12 marks]