NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

BACHELOR OF SCIENCE (HONOURS) DEGREE IN LIBRARY AND INFORMATION SCIENCE

PART II SECOND SEMESTER MAY 2013 EXAMINATIONS

ILI 2204: ARCHIVAL AND LIBRARY INFORMATION SYSTEMS MANAGEMENT

TIME: 3 HOURS

Instructions to candidates
1. Question **one (1) is compulsory**
2. Answer any other three (3) questions.
3. The total number of questions to be answered is four (4).
4. Each question carries 25 marks.
5. Give equal time to each question.
6. Importance is attached to accuracy, clarity and legibility of handwriting.

1.1 In terms of Porter's model, describe the strategic forces that should be addressed by information systems in libraries and information centres to achieve competitive advantage.
[10 marks]

1.2 How can libraries use information systems to counteract the forces that you have highlighted in 1.1? [15 marks]

2. Discuss the implications of choosing open source software programmes when acquiring information systems for a library organisation. [25 marks]

3.1 List any five approaches to system building. [5 marks]

3.2 Outline the key activities that are undertaken during system planning. [5 Marks]

3.3 Describe the following application control standards:

3.3.1 Input controls [5 marks]
3.3.2 Processing controls [5 marks]
3.3.3 Output controls [5 marks]

4.1 Discuss the steps that are followed when implementing a new information system for a library organisation. [15 marks]

4.2 How does the people oriented theory ensure the success of system implementation? [10 marks]

5.1 List the major threats to library management systems. [5 marks]

5.2 Discuss the measures can be taken to ensure the integrity of library management systems. [20 marks]

6.1 Discuss the factors that are responsible for the development of information systems in library and information centres. [10 marks]

6.2 Examine the features of organisations that have been influenced by the development of information systems. [15 marks]

END OF PAPER