

**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 JULY 2013 SUPPLEMENTARY EXAMINATIONS**

**ILI 2204: ARCHIVAL AND LIBRARY INFORMATION  
SYSTEMS MANAGEMENT**

**TIME: 3 HOURS**

**Instructions to candidates**

1. Answer four (4) questions.
  2. Each question carries 25 marks.
  3. Give equal time to each question.
  4. Importance is attached to accuracy, clarity and legibility of handwriting.
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- 1.1 List at least five objectives of information systems. [5 marks]
- 1.2 Explain how an information system of a library works. [12 marks]
- 1.3 Outline the advantages of computerised information systems. [8 marks]
  
- 2.1 Define the important features of quality information. [5 marks]
- 2.2 Discuss the role of information systems at each of the following management levels:
  - 2.2.1 Low level management (Operational level). [5 marks]
  - 2.2.2 Middle level management (Tactical level). [5 marks]
  - 2.2.3 Top level management (Strategic level). [5 marks]
  
3. Discuss the importance of security controls in Information Systems development and explain the various measures which could be initiated to minimise, if not eliminate altogether the threats to system security. [25 marks]
  
4. Explain how the following strategies can be used to achieve competitive advantage by libraries and information centres.
  - 4.1 Synergies [5 marks]
  - 4.2 Enhancing core competencies [5 marks]
  - 4.3 Network based strategy [5 marks]

- 4.4 Virtual company strategy [5 marks]
- 4.5 Product differentiation [5 marks]
- 5.1 Discuss the major causes of system failure. [15 marks]
- 5.2 Describe the criteria for evaluating Management Information Systems. [10 marks]
6. If a library organization determines that it needs an information system, what methods can it use to acquire that information system? Describe at least three methods and the advantages of each. [25 marks]

***END OF PAPER***