



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

LIBRARY MANAGEMENT SYSTEMS

ILI 2211

SECOND SEMESTER EXAMINATION PAPER

MAY 2017

This examination paper consists of 2 pages

Time Allowed: 3 hours
Total Marks: 100
Special Requirements: None
Examiner's Name: Dr T. Matingwina

INSTRUCTIONS

1. Answer any four (4) questions.
2. Give equal time to all questions you choose.
3. Each question carries 25 marks.
4. Importance is attached to clear presentation of ideas, good expression and legibility of handwriting.

MARK ALLOCATION

QUESTION	MARKS
1.	25
2.	25
3.	25
4.	25
5.	25
6.	25

1. Considering that most libraries today opt for the application of software packages as a system development strategy, assess the effectiveness of this approach in developing library management systems. [25 marks]
- 2.1 Analyse the major features of Radio Frequency Identification (RFID) systems and their applications in libraries. [15 marks]
- 2.2 Evaluate the effectiveness of RFID inventory management systems. [10 marks]
- 3.1 Describe the salient features of expert systems. [10 marks]
- 3.2 Demonstrate the application of artificial intelligence systems in library organisations [15 marks]
4. Analyse any commercial or open source library software that you are familiar with. In your analysis, highlight the operating environment, key modules, performance, interoperability and other special features. [25 marks]
5. Suppose you are tasked with developing a new system for your library and you are required to come up with a technology plan. Analyse the key aspects that you will address in your plan. [25 marks]
- 6.1 Develop criteria for evaluating and selecting a software package for a library. [10 marks]
- 6.2 Explain the key activities normally undertaken when implementing integrated library systems. [15 marks]