NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Master of Science Degree in Library and Information Science

ADVANCED INFORMATION TECHNOLOGY APPLICATIONS

ILI 5101

Supplementary Examination Paper

January 2016

This examination paper consists of 2 pages

Time Allowed:	3 hours
Total Marks:	100
Special Requirements:	None
Examiner's Name:	Mrs A. R. Nyaku

INSTRUCTIONS

1. Answer any <u>four</u> (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

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1. Your team is tasked with upgrading a network for an academic library. There has been an increase in student enrolment. The network has become very slow. The library management hosts live simulcast training regularly.
    Discuss the Internet connectivity method and network hardware and software that your team will need to upgrade this library. [25 marks]

2. Examine the factors that influence the behavior of consumers in an electronic environment and the strategies that your information centre may employ to be effective in such an environment. [25 marks]

3. Perform a risk analysis for the following e -commerce models:
3.1 B2B [9 marks]
3.2 G2C [9 marks]
3.3 C2C [7 marks]

4. Critique the adoption of ICT usage policy by a library information centre. [25 marks]

5. Discuss using two (2) examples of trade partners that your library can have, the implications of such trade relations and draw up possible EDI guidelines for these trade relations. [25 marks]

6. Critically assess security threats to hardware, software and data within a digital library setup. [25 marks]

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