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

ILI 5108: SPECIALISED INFORMATION SYSTEMS IN AGRICULTURE, HEALTH

AND DEVELOPMENT STUDIES

First Semester Supplementary Examinations

January 2016

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 <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. Examine the need for Soft System Methodologies in designing specialised systems.
   (25 marks)

2.1 Suppose you have been tasked with designing a web-based agricultural information and knowledge system, analyse the salient features of such a system.   (15 marks)

2.2 Explain how the system you described in 2.1 would work.   (10 marks)

3. Justify the need for telecentres to influence community development in Zimbabwe's rural areas.   (25 marks)

4. Assess the major information dissemination principles that should be considered in the design and implementation of specialised health information systems.   (25 marks)

5. Critique the following behavior change theories
5.1 Social Cognitive Theory   (5 marks)
5.2. Health Belief Model   (5 marks)
5.3 The Theory of Planned Behaviour   (5 marks)
5.4 Stages of Change Model   (5 marks)
5.5 AIDS Risk Reduction Model   (5 marks)

6. With the aid of a diagram, assess how information flows within a typical computerized Hospital Information System.   (25 marks)

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