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

STAGE II FIRST SEMESTER NOVEMBER 2012 EXAMINATIONS

ILI 5108: SPECIALISED INFORMATION SYSTEMS IN AGRICULTURE, HEALTH AND DEVELOPMENT STUDIES

TIME: 3 HOURS

Instructions to candidates

1. Answer any four (4) questions.
2. Each question carries 25 marks.
3. Importance is attached to accuracy, clarity of expression and legibility of handwriting.

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1. You are tasked with designing a system for managing indigenous knowledge amongst rural farmers.

1.1 Describe the components, including the stakeholders of the proposed system. [7 Marks]

1.2 Describe the technologies that you would use to capture, store, process and disseminate the indigenous knowledge. [8 Marks]

1.3 Explain how the proposed system would work. [10 Marks]

2. Describe the steps that you would take in developing a computerised information dissemination system for Small to Medium Enterprises (SMEs) in Zimbabwe. [25 Marks]

3. Critically assess the validity of the Diffusion of Innovations theory when planning for the development of agricultural information systems in developing countries. [25 Marks]

4. Discuss how the following technologies may be used by libraries to promote access to health information in Zimbabwe.

4.1 Mobile phones [5 Marks]
4.2 Wikis [5 Marks]
4.3 Blogs [5 Marks]
4.4 Mashups [5 Marks]
4.5 Social bookmarking [5 Marks]

5. You are requested to carry out a formative evaluation of a computerised information system.

5.1 Describe the framework that you would use in the evaluation process. [15 Marks]
5.2 Discuss the steps that you would take when evaluating the system. [10 Marks]

6.1 Explicitly identify and describe any computerised hospital information system that is in use in Zimbabwe. [10 Marks]

6.2 Discuss the implications of introducing such a system in all hospitals in Zimbabwe. [15 Marks]

END OF PAPER