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 I SECOND SEMESTER MAY 2013 EXAMINATIONS

ILI 2205: DESIGN AND REALISATION OF INTERNET INFORMATION IN LIBRARIES AND ARCHIVES

TIME: 3 HOURS

Instructions to candidates
1. **Question 1 SECTION A** is compulsory.
2. Answer any **three** questions from section B
3. Give equal time to each question.
4. Each question carries 25 marks.
5. Importance is attached to accuracy, clarity and legible handwriting.

SECTION A

1. Write an HTML code to produce the following former

Name: _____

Surname: _____

Email Address: _____

Date Of Birth(dd/mm/yy): [___] [___] [___]

Gender:
Male ◯   Female ◯

Research Interests:

Information Literacy [___]

Health Information Systems [___]

Agricultural Information Systems [___]

Rural Libraries [___]

Rural Development [___]

Gender Studies [___]

About Myself

[   ]
[   ]
[   ]
[   ]

[Submit]   [Reset]

SECTION B

2. Give a critical analysis on how libraries and information centres have benefited from various forms of internet and web services. [25 marks]

3.1 Justify the need for the ISO-OSI reference model. [5 marks]

3.2 Discuss the role of the different layers of the OSI reference model highlighting how each layer relate to the other layers. [20 marks]

4. Both TCP and UDP are transport layer protocols. Compare and contrast the way these protocols operate. [25 marks]

5. You have joined a large organization that recently uploaded its website. The Chief Information Officer has approached you to draft the Internet Security Policy of this organization. Write a report on what this policy must address. [25 marks]

6. Discuss different methods in which organizations may connect to the internet. [25 marks]

END OF PAPER