

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 JULY 2013 SUPPLEMENTARY 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.
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SECTION A

1.1 Write HTML code to display the following table

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY				
Student number	NAME		Gender	Course
	FirstName	Surname		
P0001A	Joseph	Khumao	Male	Library Science
P0002B	Mary	Nkiwane	Female	Journalism
P0003C	Nkosi	Mpofu	Male	Records
P0004D	David	Moyo	Male	Publishing

[15 marks]

1.2 Write a javascript code to show the current date and time

[10 marks]

SECTION B

2 The internet has brought several benefits to libraries and librarianship. Discuss in detail how libraries and the library profession has benefited from different internet tools and services.
[25 marks]

3 Discuss in detail how the transport layer of the OSI reference model does congestion control.
[25 marks]

4 Compare and contrast the following:

4.1 Peer-to-peer networks and Client-server networks [13 marks]

4.2 Intranet and Extranet [12 marks]

5. Discuss in detail the use and operations of the following services on the internet:

5.1 Gophers [5 marks]

5.2 Archie [5 marks]

5.3 VERONICA [5 marks]

5.4 Listserv [5 marks]

5.5 Usenet [5 marks]

6. As a graduate trainee at a newly established information centre, you are required to come up with a networking strategy for this information centre. Write a report to senior management, indicating networking requirements for the information centre. [25 marks]

END OF PAPER