



THE UNIVERSITY OF THE WEST INDIES

Semester I Semester II Supplemental/Summer School

Examinations of December /April/May /July 2009

Originating Campus: **Cave Hill** **Mona** **St. Augustine**

Mode: **On Campus** **By Distance**

Course Code and Title: **LIBS6501 – INFORMATION TECHNOLOGY II**

Date: Time:

Duration: **3 Hours**

Paper No:

Materials required:

Answer booklet: **Normal** **Special** **Not required**

Calculator: **Programmable** **Non Programmable**
(where applicable)

Multiple Choice answer sheets: **numerical** **alphabetical** **1-20** **1-100**

Auxiliary/Other material(s) – Please specify:

Candidates are permitted to bring the following items to their desks:

Instructions to Candidates: This paper has 2 pages & 6 questions.

Candidates are reminded that the examiners shall take into account the proper use of the English Language in determining the mark for each response.

YOU ARE REQUIRED TO ANSWER THREE (3) QUESTIONS. AT LEAST ONE (1) QUESTION MUST BE ANSWERED FROM EACH SECTION. EACH QUESTION IS WORTH 20 MARKS.

SECTION 1

Question 1

Define metadata in the context of a digital library, and explain the roles of the various types of metadata. Identify the options to be considered by librarians when selecting metadata schema, and describe the main characteristics of one metadata schema.

The University of the West Indies

Course Code

20...../...../.....

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY

INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....

Question 2

Identify and justify the criteria used for evaluating the user interface of a digital library. Comment on the user interfaces provided by the Greenstone Digital Library Software, and assess their utility to two groups of users who may wish to interact with a collection built using Greenstone.

Question 3

Explain the concept of an institutional repository, comment on the policy and management issues, and the main features of **ONE (1)** of the software packages available for creating a repository.

SECTION 2

Question 4

- (a) Index Exhaustivity and Term Specificity are **TWO (2)** parameters that determine the effectiveness of an indexing system. Give a definition for each term
- (b) Explain the relationship between Index Exhaustivity, Term Specificity and the performance of an information storage and retrieval system.

Question 5

- (a) Discuss the characteristics of WINISIS as a Database Management System
- (b) Explain **THREE (3)** features of WINISIS that make it appropriate for a library information system

Question 6

- (a) List **FOUR (4)** criteria use to evaluate a data entry screen
- (b) Resource sharing greatly reduces the operating cost of an organization. In the context of a main library with multiple branches, explain how information technology facilitates resource sharing.

END OF PAPER

The University of the West Indies Course Code 20.../.../...

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY
INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....