



THE UNIVERSITY OF THE WEST INDIES

Semester I Semester II Supplemental/Summer School

Examinations of December /April/May /July **2010**

Originating Campus: Cave Hill Mona St. Augustine

Mode: On Campus By Distance

Course Code and Title: **LIBS 3501 Automation in Information Work II**

Date: Time: Wednesday December 15, 2010 4:00-6:00 pm

Duration: 2 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 11 pages & 27 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.

ANSWER ALL QUESTIONS IN THE SPACE PROVIDED ON THE QUESTION SHEET.

1. Write a one-sentence description of each stage of the database development process. (2.5 marks)

4. Identify any **THREE (3)** persons who will be involved in the analysis of a system. (1.5 marks)

5. Place a **T (True)** or an **F (False)** next to each statement below: (2 marks)

A system may be analyzed because the library:

- (a) Wants to implement a new technique or technology
- (b) Has budgeted substantial funds to conduct the analysis
- (c) Needs to conform with prevailing annual business practices
- (d) Is interested in improving the current system
- (e) Has obtained the services of a librarian freshly trained in systems analysis
- (f) Has problems with the current system

6. Give any **THREE (3)** problems that could affect the systems analysis process. (3 marks)

7. Distinguish between an entity relation diagram and a data flow diagram. (2 marks)

8. What is a project dictionary, and what purpose does it serve? (2 marks)

9. Identify **FOUR** (4) ways in which vendor proposals can be tested and evaluated. (2 marks)

12. List the **FOUR** (4) activities which take place during the Support Phase of the Systems Development Life Cycle. (2 marks)

13. Give the importance of any **THREE** (3) elements that would need to be considered in infrastructure planning and provision for a new system. (1.5 marks)

14. Identify the **FOUR** (4) categories of counter-measures that can be taken to deal with security risks. (2 marks)

15. Give any **THREE** (3) benefits of documentation for an information system. (1.5 marks)

16. Which **FOUR** (4) criteria would you consider most important when selecting a document delivery service, and why? (4 marks)

17. What are **FIVE** (5) benefits of digital libraries? (2.5 marks)

18. Identify any **FIVE** (5) functional components of a digital library. (2.5 marks)

19. What are the phases of the digitization process? (3 marks)

20. Give **THREE** (3) roles of expert systems. (1.5 marks)

21. Identify **TWO** (2) applications of expert systems in libraries, stating why each area is a suitable candidate. (2 marks)

22. Identify any **FOUR** (4) network management issues. (2 marks)

23. Write brief notes on any **TWO** (2) of the following in relation to LAN security service: (2 marks)

(a) Authentication

(b) Access control

(c) Data confidentiality

(d) Data integrity

(e) Non-repudiation

24. Name **FOUR** (4) types of servers that can be found in a Local Area Network. (2 marks)

25. Give any **TWO** (2) purposes served by network interface cards. (2 marks)

26. Give **TWO** (2) advantages and **TWO** (2) disadvantages of wikis. (2 marks)

27. List **FOUR** (4) criteria you would use to evaluate weblogs. (2 marks)

END OF QUESTION PAPER