



**THE UNIVERSITY OF THE WEST INDIES**

Semester I  Semester II  Supplemental/Summer School

**Examinations of December  /April/May  /July  2011**

Originating Campus: Cave Hill  Mona  St. Augustine

Mode: On Campus  By Distance

Course Code and Title: **LIBS 2501: Automation in Information Work 1**  
Date: Time: Wednesday May 04, 2011 1:00 – 3:00 pm  
Duration: **2 Hours**

Materials required:

Answer booklet: Normal  Special  Not required

Student I D Number:

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

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**Instructions to Candidates: This paper has 9 pages & 25 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.

1. a) Briefly explain the following concepts in relation to computer technology in libraries:

i) *Housekeeping applications*

ii) *User applications*

iii) *Management support applications.*

(3 marks)

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b) Give **ONE (1)** example within **each** category of applications.

(1.5 marks)

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2. Distinguish between the following:

(3 marks)

i) *Integrated Library System.*

ii) *Library Information System*

iii) *Library Management Software.*

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3. a) Identify **TWO (2)** factors that you would take into account when selecting an integrated library system for your library.  
[Exclude cost]

(1 mark)

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b) Give an example of an integrated library system.

(1 mark)

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4. a) Identify any **THREE (3)** important developments in library automation during the 1970s. (1.5 marks)

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b) Comment briefly on **TWO (2)** to show how each contributed to the growth of computer-based services in libraries. (4 marks)

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5. Name **THREE (3)** important sources for research on the *library software* market. (1.5 marks)

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6. a) Distinguish between *pre-coordinate* and *post-coordinate* indexing. (2 marks)

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b) Give **TWO (2)** examples of retrieval tools based on *pre-coordinate* indexing. (1 mark)

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7. a) What is meant by *co-extensive indexing*? (1mark)

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b) Why is it important in information retrieval? (1mark)

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8. a) Distinguish between *recall* and *precision* in online retrieval? (2 marks)

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b) *Recall* and *precision* are not mutually exclusive.  True  False (1 mark)

9. Briefly explain the concept of *exhaustivity* in relation to indexing and its impact on retrieval? (2 marks)

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b) Name **TWO (2)** ways in which the indexer can achieve exhaustivity.

(1 mark)

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10. What do you understand by the following phrase?  
*hospitality of the controlled vocabulary.*

(1mark)

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11. What is the impact on retrieval of the Boolean Operator **AND** as well as the Boolean Operator **OR**? Illustrate your answer with a Venn diagram for **each** concept.

(4 marks)

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12. a) What is the value of *bibliographic qualifiers/limiters* in retrieval?

(1 mark)

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b) Give **TWO (2)** examples of *qualifiers/limiters*.

(1 mark)

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13. Which of the following are examples of a *record*?

(1 mark)

- I. Related data about students in a class: such as their names, gender etc.
- II. A listing of surnames
- III. Information on the names of customers and their addresses

- a) I only; b) II only; c) III only; d) I and II only
- e) I and III only; f) II and III only; g) I, II and III

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14. Which of the following are examples of a *field*?

(1 mark)

- I. Related data about students in a class: such as their names, gender etc.
- II. A listing of surnames
- III. Information on the names of customers and their addresses

- a) I only; b) II only; c) III only; d) I and II only;
- e) I and III only; f) II and III only; g) I, II and III

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15. Explain briefly the concept of the *invisible web*.

(1 mark)

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16. a) Identify the **THREE (3)** principles you should consider when setting up an OPAC display for your library. (1.5 marks)

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b) Briefly describe any **ONE (1)** principle giving at least **TWO (2)** examples. (2 marks)

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17. Give **TWO (2)** benefits and **TWO (2)** limitations of implementing computer-based technical services in a cataloguing department. (2 marks)

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18. In automated acquisitions, identify **TWO (2)** activities that are the responsibility of human input. (1 mark)

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19. What **TWO (2)** features would you look for in *serials control software* for your library? (1 mark)

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20. List the primary objectives for automating the library's *circulation system*. (2 marks)

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21. Expand the acronym *tld* and give its meaning with at least **TWO (2)** examples. (3 marks)

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22. Identify **FOUR (4)** *categories* of application software for library management for communication purposes. (2 marks)

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23. Explain the impact of *data replication error* in an integrated software suite. (4 marks)

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24. *Cloud computing* software has become an optional tool in library management. Provide **FOUR (4)** reasons why this software may be considered by a library manager. (2 marks)

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25. General retrieval concepts and search techniques are not removed from Internet searching. Justify this statement with **TWO (2)** examples of Web retrieval concepts/search techniques. (2 marks)

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