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**THE UNIVERSITY OF THE WEST INDIES**

Semester I  Semester II  Supplemental/Summer School

**Examinations of December  /April/May  /July  2013**

Originating Campus: Cave Hill  Mona  St. Augustine

Mode: On Campus  By Distance

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

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:

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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 10 pages & 31 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 SPACES PROVIDED.**

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1. Explain the connection between a search engine and keyword query in searching the Web for information. (2 marks)

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2. Indicate which of the Web 2.0 technologies you would use for E-Reference services in an academic library. Give **TWO (2)** examples of this e-reference service in Jamaican libraries. (2 marks)

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3. Explain what is *Asymmetric Digital Subscriber Line (ADSL)* service and identify **TWO (2)** reasons for its popularity. (2 marks)

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4. Briefly explain with an example for both, what is meant by the terms synchronous and asynchronous online communication. (2 marks)

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5. Provide a simple definition for the term *weblog* and identify **TWO (2)** applications of weblogs in a library. (3 marks)

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6. Identify and explain **THREE (3)** of the main concerns with using wireless Internet connections in public spaces. (2 marks)

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7. Explain what is a real-time operating system (RTOS). Give examples of devices in which you would expect to find it. (3 marks)

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8. List **FOUR (4)** operations facilitated by a Database Management System. (2 marks)

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9. Give a definition of each of the following: FIELD, FILE, RECORD in a database. (1.5 marks)

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10. Give a definition of data validation in a database and give **ONE (1)** example of a validation rule. (2 marks)

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11. Explain with an example what is meant by the term a *Computer Platform*. (2 marks)

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12. How does the computer Operating System handle the management of the processor? (4 marks)

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13. Explain briefly what is a computer motherboard and name **TWO (2)** components residing on it. (2 marks)

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14. What is a USB Port used for and what is its main advantage? (2 marks)

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15. Explain **THREE (3)** criteria that can be used in helping you to determine the best model printer to meet your needs. (3 marks)

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16. Outline the steps in the process of using Microsoft Word to create a Table of Contents for a document. (6 marks)

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17. Explain **TWO (2)** basic types of software on your computer. (2 marks)

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18. Give a brief definition of free open source software (FOSS) and provide **TWO (2)** examples of this type of software used for word processing. (2 marks)

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19. Briefly explain what is “freeware” and “shareware”. (2 marks)

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20. Write out the meaning of the acronym *HDMI* and explain what is an HDMI Connector. (2 marks)

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21. State the full name of the acronym *GUI* and briefly explain its function. (2 marks)

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22. Briefly explain what is the Universal Service Fund (USF). (2 marks)

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23. Identify **THREE (3)** of the main advantages of choosing to use cloud computing services for a library. (3 marks)

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24. Explain what is a cell in a spreadsheet application. (1 mark)

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25. Explain **THREE (3)** of the benefits of using concept maps in teaching and learning. (2 marks)

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26. Explain the meaning of the term cybercrime. (2 marks)

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27. Provide **FOUR (4)** examples of cybercrimes that computer users must be aware of. (2 marks)

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28. Name **THREE (3)** of the ways by which computer viruses can be very easily transmitted. (1.5 marks)

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29. Explain what is an online subject directory and give **TWO (2)** examples of popular subject directories. (2 marks)

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30. Explain what e-journals are. What are **THREE (3)** features that make them appealing for use in a library? (2 marks)

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31. Explain what is meant by the term *strong* password protection and identify some of the features of this. (2 marks)

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**END OF EXAMINATION PAPER**

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