



THE UNIVERSITY OF THE WEST INDIES

Semester I Semester II Supplemental/Summer School

Examinations of December /April/May /July **2012**

Originating Campus: Cave Hill Mona St. Augustine

Mode: On Campus By Distance

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

Date: **Thursday, December 6, 2012** Time: **2:00 – 5:00 p.m.**

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 7 pages & 30 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.

DO ALL QUESTIONS.

1. Briefly explain what is cloud computing and how Caribbean libraries can use this service. (3 marks)

2. Identify **TWO (2)** limitations of a Dial-up Internet connection. (2 marks)

3. Briefly explain with an example what is synchronous online communication. (2 marks)

4. Identify **THREE (3)** applications of wikis in a library. (3 marks)

5. Identify **TWO (2)** choices in the broadband range, which a Caribbean library has for connecting to the Internet. (2 marks)

6. Define an operating system and briefly explain its role in the functioning of a computer system. (3 marks)

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7. A database management system is a software package which facilitates the following **FOUR (4)** main operations: (2 marks)

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

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

10. What are the **FOUR (4)** basic steps of the “*boot process*”? (2 marks)

11. Identify **TWO (2)** utility programs which are included in the Windows Operating system and state the role of each program. (4 marks)

12. State the **FOUR (4)** major functions that a computer performs as a data processing device. (4 marks)

13. Today microprocessor speeds are usually expressed in gigahertz (GHz). What measurement is a gigahertz (GHz)? (1 mark)

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

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

16. Identify **THREE (3)** management tools that are included with Personal Information Management (PIM) software. (1.5 marks)

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17. Give a brief definition of open source software and state what is the main advantage of using this type of software. (2 marks)

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

19. Identify **FIVE (5)** cards located on the motherboard inside the System Unit of a personal computer. (2.5 marks)

20. State the full name of the acronym USB and briefly explain the main reason for its popularity. (1 mark)

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

22. Identify **THREE (3)** presentation software alternatives to Microsoft PowerPoint and indicate which of these you would prefer to use and why. (3 marks)

23. What is the primary benefit of a spreadsheet application? (1 mark)

24. Give a brief description of what is a concept map and explain the structure it uses to represent concepts. (2 marks)

25. What is a worm and how can you protect your computer network system and files from harm by it? (2 marks)

26. Explain **TWO (2)** ways by which a hacker could gain access to a computer. (2 marks)

27. Briefly explain what a search engine is and the role it plays in accessing the Internet, and provide **THREE (3)** examples of popular search engines. (2.5 marks)

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28. Explain what is a subject directory and give **TWO (2)** examples of popular subject directories. (2 marks)

29. Explain what are e-journals and what are some features that make them appealing for use in a library. (2 marks)

30. Give a definition for firewall and identify **TWO (2)** types of firewall that can be installed to protect a personal computer connected to the Internet? (2 marks)

END OF PAPER