

**THE UNIVERSITY OF THE WEST INDIES**Semester I ☒ Semester II ☐ Supplemental/Summer School ☐**Examinations of December** ☒ /April/May ☐ /July ☐ **2008**Originating Campus: Cave Hill ☐ Mona ☒ St. Augustine ☐Mode: On Campus ☒ By Distance ☐Course Code and Title: **LIBS6501 – Information Technology I**

Date: Time: Monday, December 15, 2008 2:00pm - 5:00pm

Duration: **3 Hours.**

Student ID#

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 & 34 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 ALL QUESTIONS.**1. Define a wiki and give ONE (1) popular example of its implementation. (2 pts.)

Student ID#

2. Write an example of an absolute spreadsheet cell reference and compare its behaviour to a relative referenced-cell in a formula. (3 pts.)

3. Name a plug-in that adds multimedia handling capability to the Mozilla Firefox browser. (1 pt.)

4. Identify **ONE** (1) format which would be used to address the disabilities of a) visual impairment and b) hearing impairment. (2 pts.)

5. Give a concise definition of Open Source software. (2 pts.)

Student ID#

6. Compare **THREE (3)** ways in which the Creative Commons approach to licensing of intellectual property differs from traditional copyright protection. Assess how these differences enable information work in libraries. **(6 pts.)**

7. Name a software tool you would use to prepare and deliver an address at a LIAJA function and identify the "View" that you would use at the time of the address. **(2 pts.)**

8. Give an explanation of the Commutative Law as applied to a formula used in a spreadsheet. **(3 pts.)**

Student ID#

9. What is the symbol used for the unique field in the Datasheet View of an MS Access database table? (½ pt.)

10. What is the meaning of the acronym GPL in relation to software? (½ pt.)

11. List **FOUR** (4) reasons why the relational database model is widely adopted. (2 pts.)

12. State the objective of NLJDigital and give a brief outline of its scope. (3 pts.)

Student ID#

13. Give a concise definition of Information Literacy. (1 pt.)

14. Identify the TWO (2) modes used by the scheduler component of the computer operating system. (2 pts.)

15. If you were designing an online form to collect data for a library database, what feature of MS Access might be used to get the visual style you want? (1 pt.)

16. Explain the purpose of the markups in a web page designed with HTML. (2 pts.)

Student ID#

17. What are the limitations of spreadsheet software in comparison to a database? (3 pts.)

18. Which class of operating systems features imprecise computation and non pre-emptive processing? (1/2 pt.)

19. Identify the type of operating system where the command syntax is case-sensitive and give ONE (1) example. (1 ½ pts.)

20. A school library in the Rio Grand Valley of Portland wants Internet access. The area is served by both wireless and wired telecommunications. Assess and recommend a connectivity option for this library. (6 pts.)

Student ID#

21. What kind of issues would a librarian address to enable self-service for information seekers in an online environment? (4 pts.)

22. Which feature of PowerPoint is used to maintain consistency in developing slides for a presentation? (1 pt.)

Student ID#

23. Identify the drivers for the search application on the Internet and suggest how librarians can collaborate to improve the capabilities of search engines and the quality of output from searching online. (4 pts.)

24. Identify **TWO** (2) compelling reasons for the so-called 'digital divide' and comment on how libraries and librarians might help to address them. (4 pts.)

25. What is the meaning of the acronym FOSS? (1 pt.)

26. Differentiate between *HTML tags* and the *element content*. (1 pt.)

Student ID#

27. List **TWO** (2) defining characteristics of metadata with respect to digital libraries and the reasons for their importance. (3 pts.)

28. Explain why using a metasearch engine might improve both recall and precision in an online search. (2 pts.)

29. If you were asked to develop a guide to computer security for a group of students, what **TWO** (2) issues do you believe would be important to highlight in it? (2 pts.)

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Student ID#

32. Name **TWO** (2) technologies that are used to support electronic data security. (1 pt.)

33. Name **THREE** (3) user identification approaches that are based on biometric features and state which of them provides the greatest capability to positively identify an individual. (3 pts.)

34. Summarize how you might go about preparing yourself to use PowerPoint for a presentation. (3 pts.)

END OF QUESTION PAPER