

ID# _____



THE UNIVERSITY OF THE WEST INDIES

Semester I Semester II Supplemental/Summer School

Examinations of December /April/May /July 2014

Originating Campus: Cave Hill Mona St. Augustine

Mode: On Campus By Distance

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

Date: **December 12, 2014**

Time: **2:00 – 5:00 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 10 pages & 33 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 IN THE SPACE PROVIDED.

The University of the West Indies

Course Code

20.../.../...

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY

INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20.../.../.....

Date: 20.../.../.....

1. Identify **TWO (2)** important characteristics of a client/server network. (2 marks)

2. Briefly explain what is cloud computing and give **FOUR (4)** ways how Caribbean libraries can use this service. (3 marks)

3. Briefly explain what is Instant Messaging and how useful a tool it would be to a reference librarian. (2 marks)

4. Explain what podcasts are and describe some of their contents that would be of interest to library users. (3 marks)

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY

INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....

5. Describe the geographic conditions that would make satellite broadband the best option for a library, and state what equipment would be required for this connection. (2 marks)

6. Explain what is a “hot spot” and how it allows for users to get access to the Internet. (2 marks)

7. Explain what is a **user interface** and the role of the operating system (OS) in making it work. (2 marks)

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY
INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20.../.../.....

Date: 20.../.../.....

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

9. Give the names of the **THREE (3)** main types of databases in use today. (1.5 marks)

10. Explain what is a **query** in a database management system and give an example of this. (2 marks)

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY
INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....

11. Give a definition of a primary key in a database and give **ONE (1)** example of such a key. (2 marks)

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

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

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

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY
INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....

15. Explain the difference between data and information. (2 marks)

16. What is the role of the Random Access Memory (**RAM**) card and where is it located in the System unit? (2 marks)

17. Explain what technology exists for wireless connection of input devices and give **TWO (2)** examples of wireless input devices. (3 marks)

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY
INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....

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

19. Why would you urge caution if your institution chooses to use a free or web-based Software that is not well known? (2 marks)

20. Write out the full meaning of the acronym **HTML**. (1 mark)

21. Identify **FOUR (4)** basic tags which each HTML document should include. (2 marks)

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY

INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....

22. Identify **THREE (3)** of the attributes to look for when purchasing a computer monitor. (1.5 marks)

23. Give the name of the wireless platform in use on the Mona campus and state the approximate number of simultaneous users the network can accommodate. (1.5 marks)

24. Identify and briefly comment on **TWO (2)** multimedia services that can be accessed on the Mona Campus Network. (2 marks)

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

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY
INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20.../.../.....

Date: 20.../.../.....

26. Identify **TWO (2)** keys which can be used to pause a PowerPoint presentation and to show a blank screen. (1 mark)

27. Give the name of the basic element in a spreadsheet program and indicate what it consists of. (2 marks)

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

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

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY
INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....

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

31. Explain how a boot-sector virus works and indicate why it is difficult to remove. (2 marks)

32. Explain what are logic bombs and time bombs and give an example of these. (2 marks)

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

END OF PAPER

DO NOT WRITE OR TYPE ON THE BACK OF THIS SHEET: USE ONE SIDE ONLY
INSTRUCTIONS: Each page must be signed by the First and Second Examiners, and where applicable the University and External Examiners. Completed forms should be handed to the Senior/Assistant Registrar (Examinations). Where applicable, the EXTERNAL EXAMINER is required to sign the question paper and return it with comments, if any, (on a separate sheet), to the Senior/Assistant Registrar (Examinations).

.....
First Examiner

.....
University Examiner (where applicable)

.....
Second Examiner

.....
External Examiner (where applicable)

Date: 20...../...../.....

Date: 20...../...../.....