THE UNIVERSITY OF THE WEST INDIES

Semester l ☒ Semester II ☐ Supplemental/Summer School ☐

Examinations of December ☒ /April/May ☐ /July ☐ 2018

Originating Campus: **Cave Hill** ☐ **Mona** ☒ **St. Augustine** ☐

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:

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

Instructions to Candidates: This paper has 4 pages & 11questions.

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 SPACE PROVIDED ON THE QUESTION PAPER.

Part I. Short answer questions *(24 marks)*

1. Differentiate between "**free software**" and "**open source**". *(2 marks)*

   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____

2. Explain **THREE (3)** major differences between **Web 2.0** and **Web 3.0**. *(3 marks)*

   _____
   _____
   _____
   _____
   _____
   _____
   _____
   _____

3. Explain the significance of **FOUR (4)** types of network *(4 marks)*

   _____
   _____
   _____
   _____
   _____
   _____

4. Define the following concepts: XML, SGML and HTML *(3 marks)*

   _____
   _____
   _____
   _____
   _____
   _____

5. Compare **TWO(2)** structural types of DBMS *(2 marks)*

   _____
   _____
   _____
   _____
   _____

_____

_____

6. Explain the functions of **FOUR (4)** deliverables of website design. *(2 marks)*

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

7. Explain **TWO (2)** methods of taxonomy design validation. *(2 marks)*

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

8. Describe using examples, **THREE (3)** important features of fiber optics technology as a means of connecting to the Internet. *(3 marks)*

_____

_____

_____

_____

_____

_____

_____

_____

9. Explain the following research methods for website design: benchmarking, Focus Group, and contextual inquiry *(3 marks)*

_____

_____

_____

_____

_____

_____

_____

_____

_____
_____

Part II Essay Questions *(26 points)*

10. Using examples, discuss **THREE (3)** methods to conceptualize content for website design. Explain the relationships among these methods. *(12 marks)*

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

11. You are a consultant contacted by a local hardware company to write a proposal outlining the rationale for choosing Open Source software instead of proprietary software in their new upgrade of systems. In your response, use **FIVE (5)** criteria for your overall consideration. *(14 marks)*

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

ID# _____

END OF EXAMINATION

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…../…../……