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**THE UNIVERSITY OF THE WEST INDIES**

Semester I ☐ Semester II ☒ Supplemental/Summer School ☐

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

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

Course Code and Title: **LIBS2502 – INTRODUCTION TO INFORMATION SYSTEMS FOR INFORMATION MANAGERS**

Date:

Time:

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 7 pages & 9 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.**

**TOTAL – 50 POINTS**

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SECTION A (24 MARKS)

SHORT ANSWER QUESTIONS

PLEASE ANSWER EACH QUESTION, USING ONE TO THREE SENTENCES.

1. Information is critical to the success of any business and must be evaluated based on: relevance, timeliness, completeness, currency. Briefly explain each. (2 marks)

Relevance

Timeliness

Completeness

Currency

2. What are the possible risks faced by a business if it fails to evaluate Information correctly. Identify **FOUR (4)** risks. (2 marks)

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3. Identify **FOUR (4)** problems of managing data resources in a traditional file format.  
(2 marks)

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4a. What is a database? (1 mark)

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4b. Briefly explain how data are organized in a database using at least **FOUR (4)** data modelling terms. (4 marks)

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5. In assessing a Project’s Feasibility, there are six areas that must be considered. Briefly discuss each. (6 marks)

Economic

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Operational

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Technical

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Schedule

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Legal and contractual

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Political

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6. Explain the following critical Information Security Challenges. (4 marks)

Computer Viruses

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Identity Theft

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Denial of Service attacks

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Ransom Ware

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7. Businesses have employed an array of technology to protect their information resources. Explain how the following are used. (3 marks)

Identity management and authentication

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## Firewalls

## Encryption and decryption

**PART B: SHORT ESSAY QUESTIONS. DISCUSS WITH THE USING SOFTWARE CURRENTLY USED IN LIBRARIES. (26 MARKS)**

8. Define Proprietary Software and Open Source Software. Comment briefly on **THREE (3)** advantages and **THREE (3)** disadvantages of using each? (10 marks)

[illegible]

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- a) Briefly discuss how Benjamin can use an Information System in his business and **TWO (2)** benefits to be derived. (4 marks)

[illegible]

- [illegible]

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c) Should Benjamin explore the possibility of building a system in house? Discuss **TWO (2)** advantages and **TWO (2)** disadvantages of doing so. (6 marks)

[illegible]

**END OF PAPER**

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