

THE UNIVERSITY OF THE WEST INDIES

Semester I \boxtimes Semester II \square Supplemental/Summer School \square

Examinations of December ☑ /April/May ☐ /July ☐ 2017 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: <u>Instructions to Candidates: This paper has 10 pages & 26 questions.</u> 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. 20..../..../... The University of the West Indies Course Code 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)

External Examiner (where applicable)

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

Second Examiner

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

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 a. Identify FOUR (4) Social Media tools used to facilitate communication (2 MARKS) b. List any FOUR (4) characteristics of Social Media tools. (2 MARKS) 		
2. Differentiate between asynchr	onous and synchro	nous communication tools. (4 MARKS)
3. Identify TWO (2) advantages a communications tools. (4 MA		vantages of using asynchronous
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Identify THREE (3) drawbac	ks to using synchronous t	tools. (3MARKS)
Identify THREE (3) uses of I	nstant messaging applica	ations in libraries. (3 MARKS)
•	_	s and Directories (1 MARK) Search Engine as opposed to a
Define a browser and identif	fy FOUR (4) browsers us	sed to surf the web. (3 MARK)
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 8. a. Define a Discovery Service (1 MARK) b. Identify TWO (2) advantages why your library Service for the clients. (2 MARKS) 	may choose to offer a Discovery
b. Provide TWO (2) examples of Proprietary Sof	
10. Identify FOUR (4) software licences terms norma software. (4 MARKS)	ally associated with proprietary
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11. Identify TWO (2) advantages and TWO (software. (4 MARKS)	2) disadvantages of using proprietary
12. a. Distinguish between Freeware and Ope b. Identify TWO (2) examples of each. (2 I	
13. Identify FOUR (4) software licence terms Software. (2 MARKS)	
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14. Identify TWO (2) advantages and T Software. (4 MARKS)	TWO (2) disadvantages of using Open Source
	Source Software to manage the library's housekeeping (4) considerations for choosing Open Source for each. (6 MARKS)
16. Identify THREE (3) components of MARKS)	f a Digital Library and write brief notes on each. (6
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17. Provide FOUR (4) advantages of a Digital Libra	ry. (4 MARKS)
18. Identify FOUR (4) challenges that one may encount and write brief notes on each. (4 MARKS)	unter when developing a Digital Library ,
19. Explain the term primary key in Database Manag having a primary key. (2 MARKS)	gement Systems and state the purpose of
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20. Write short explanatory notes on a MARKS)	ny THREE (3) of the four main database models. (6
21. State THREE (3) uses of a data d MARKS)	lictionary in Database Management Systems. (3
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ernal Examiners. Completed forms should be	First and Second Examiners, and where applicable the University handed to the Senior/Assistant Registrar (Examinations). Where sign the question paper and return it with comments, if any, (on
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22. Differentiate between the for MARKS)	ollowing terms in Database Man	agement Systems. (3
a. Field		
b. Recordc. File		
c. The		
23 Identify and explain THDE	E (3) security features utilised in	Datahasa Managamant
	nine the level of access a user has	
2 y 3 to 1111 1111 110 1p3 to to to 1111		(0 1/212222)
24. Explain the term Data Min i investing in a data mining to	ing and state TWO (2) ways a libool. (3 MARKS)	orary can benefit from
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25. Explain the term risk and identify Information Technology risks. (4 N	THREE (3) ways a library can minimize their MARKS)
26. Identify and explain THREE (3) d their data. (6 MARKS)	lata encryption methods that libraries can use to protect
END OF	EXAMINATION
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