

FACULTY OF COMPUTING AND INFORMATICS

DEPARTMENT OF COMPUTER SCIENCE

QUALIFICATION: BACHELOR OF COMPUTER SCIENCE (SYSTEM ADMINISTRATION AND CYBER SECURITY)				
QUALIFICATION CODE: 07BACS, 07BCCS	LEVEL: 6			
COURSE: Web Technologies	COURSE CODE: WTN620S			
DATE: January 2020	SESSION: 1			
DURATION: 2 Hours	MARKS: 70			

SUPPLEMENTARY / SECOND OPPORTUNITY EXAMINATION QUESTION PAPER		
EXAMINER (S)	Mr Colin Stanley	
MODERATOR:	Mr Gereon Koch Kapuire	

THIS QUESTION PAPER CONSISTS OF 3 PAGES

(Including this front page)

INSTRUCTIONS

- 1. Answer ALL the questions on the answer scripts.
- 2. Write clearly and neatly.
- 3. Number the answers clearly.
- 4. NUST examination rules and regulations apply.

PERMISSIBLE MATERIALS

1. None.

1)		the following web technologies concerning developing interactive an c Web) compliant web applications.	d Web 3.0
	a)	Bootstrap.	[6]
	b)	eXtensible Stylesheet Language Transformations (XSLT).	[6]
	b)	Simple Knowledge Organisation System (SKOS).	[6]
2)	Why is it	incorrect to say that the Internet is the same as the World Wide Web?	[4]
3)	specifying	the Three-Tier Architecture design pattern for developing a web appet the possible technologies required for each layer. Note, a diagram can rate understanding.	
4)	Is it wort	thwhile to implement a web application in a Three-Tier Architecture desi	gn pattern? [5]
5)	be proble	It JavaScript treats variables as of string data type that is inputted by the unematic when performing arithmetic operations. How can this be resolved ode for clarification.	
6)	Discuss tl	he required technologies for Semantic Web accomplishment.	[8]
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7)	Discuss how the Model-View-Controller framework was implemented in your Web	Technologies
	group project.	[15]