

FACULTY/COLLEGE	College of Business and Economics	
SCHOOL	School of Consumer Intelligence and	
	Information Systems	
DEPARTMENT	Applied Information Systems	
CAMPUS(ES)	APB	
MODULE NAME	Information Systems 2B	
MODULE CODE	IFS02B1	
SEMESTER	Second	
ASSESSMENT OPPORTUNITY,	Supplementary Summative Assessment	
MONTH AND YEAR	Opportunity	
	December 2019	

ASSESSMENT DATE	December 2019	SESSION	2
ASSESSOR(S)	Dr Kenneth Nwanua Ohei		
MODERATOR(S)	Dr Roelien Brink		
DURATION	2 hours	TOTAL MARKS	100

NUMBER OF PAGES OF QUESTION PAPER (Including cover page)	3
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# **INFORMATION/INSTRUCTIONS:**

- Read the questions carefully and answer ALL questions in Section A and Section B.
- This is a closed book assessment
- Number your answers clearly
- Write neatly and legibly
- The general University of Johannesburg policies, procedures and rules pertaining to written assessments apply to this assessment.

SECTION A [SHORT COMPREHESION]

IFS02B1

[9 MARKS]

[40 MARKS]

Question 6

these items changed over time?

- a. Describe security vulnerability and give example of security vulnerability [3 MARKS]
- b. Describe security threat and give example of security threat [3 MARKS]
- c. Describe security breach and give example of security breach [3 MARKS]
- d. Rapid changes in information technology and the Internet revolution led to the introduction of advanced BI systems. Define Business Intelligence [3 MARKS]
- e. Name the three (3) basic components of Business Intelligence framework

[3 MARKS]

# **Question 7**

- a. Discuss deadlock embrace and give example?
- In the event to be able to control and ensure that simultaneous or concurrent transactions taking do in a multiuser database environment do not conflict with each other. Discuss in detail the three (3) basic techniques to control deadlocks

# [15 MARKS]

# Question 8

- a. Using the data table below, write SQL code to create a table called "Employee"
- b. Write SQL code to insert into the employee table as shown in the above employee table
- c. Write SQL code to insert into the employee table as shown in the above employee table

emp_id	emp_name	street	city
1	Thabo	05 Rus road	Johannesburg
2	Steven	22 De Kock Str	Durban
3	John	08 Kubu Str	Pretoria
4	Anna	23 Oxford road	Cape Town
5	Adolf	05 Caroline Str	Johannesburg
6	Jacob	12 Stanley road	Pretoria

[18 MARKS]

# Total: 100 Marks

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