MODULE NAME:		MODULE CODE:
BUSINESS INFORMATION SYSTEM		**BUIS5111/d**

ASSESSMENT TYPE:	**TAKE HOME ASSESSMENT (PAPER ONLY)**
TOTAL MARK ALLOCATION:	**60 MARKS**
TOTAL TIME:	**This assessment should take you 1 Hour to complete, however you have 21 Hours (midnight to 9PM on the same day) to submit. This additional time has been allocated to allow for the download, completion and upload of your submission.**

By submitting this assessment, you acknowledge that you have read and understood all the rules as per the terms in the registration contract, in particular the assignment and assessment rules in The IIE Assessment Strategy and Policy (IIE009), the intellectual integrity and plagiarism rules in the Intellectual Integrity Policy (IIE023), as well as any rules and regulations published in the student portal.

INSTRUCTIONS:
1. *Please **adhere to all instructions**. These instructions are different from what is normally present, so take time to go through these carefully.*
2. ***Independent work is required**. Students are not allowed to work together on this assessment. Any contraventions of this will be handled as per disciplinary procedures in The IIE policy.*
3. ***No material may be copied from original sources, even if referenced correctly, unless it is a direct quote indicated with quotation marks.***
4. *All work must be adequately and correctly referenced.*
5. *You should paraphrase (use your own words) the concepts that you are referencing, rather than quoting directly.*
6. *Marks will be awarded for the quality of your paraphrasing.*
7. *This is an open-book assessment.*
8. *Assessments must be typed unless otherwise specified.*
9. ***Ensure that you save a copy of your responses.***
   9.1 *Complete your responses in a Word document.*
   9.2 *The document name must be your **name.student number.Module Code**.*
   9.3 *Once you have completed the assessment, upload your document under the **submission link** in the correct module in Learn.*

Additional instructions:
* *Calculators are allowed.*
* *Answer All Questions.*
* *Instructions for assessments including numerical calculations.*

   7.1. If you are using a Word Document:
* *Please see the Word document included as part of this assessment.*
* *Tables have been created for you to complete.*

- *Use the following to reflect your calculations:*
- *Please use the following symbols:*
- *X: multiply*
- *The document name must be your **name.student number.Module Code**.*
- *Once you have completed the assessment, upload your document under the **submission link** in the correct module in Learn.*

- *7.2. If you are completing in a hardcopying/by hand:*
- *You need to create the journal on your piece of paper.*
- *Ensure that all your pages are numbered.*
- *Perform your calculations as you normally would. Please work neatly so that you do not lose marks because your lecturer cannot read your writing.*
- *Either (i) Scan your pages OR (ii) photograph your pages. Ensure that the pages are in the correct order.*
- *Label your photographs as follows: **name.student number.Module Code.Page 1; (for each page***
- *Once you have completed the assessment, upload your document under the **submission link** in the correct module in Learn.*

Referencing Rubric

Providing evidence based on valid and referenced academic sources is a fundamental educational principle and the cornerstone of high-quality academic work. Hence, The IIE considers it essential to develop the referencing skills of our students in our commitment to achieve high academic standards. Part of achieving these high standards is referencing in a way that is consistent, technically correct and congruent. This is not plagiarism, which is handled differently.

Poor quality formatting in your referencing will result in a penalty **of a maximum of ten percent** being deducted from the percentage awarded, according to the following guidelines. Please note, however, that **evidence of plagiarism in the form of copied or uncited work (not referenced), absent reference lists, or exceptionally poor referencing, may result in action being taken in accordance with The IIE's Intellectual Integrity Policy (0023)**.

Markers are required to provide feedback to students by indicating **(circling/underlining) the information that best describes the student's work.**

Minor technical referencing errors: 5% deduction from the overall percentage – the student's work contains **five or more errors** listed in the minor errors column in the table below.

Major technical referencing errors: 10% deduction from the overall percentage – the student's work contains **five or more errors** listed in the major errors column in the table below**.**

If both minor and major errors are indicated, then 10% only (and not 5% or 15%) is deducted from the overall percentage. The examples provided below are not exhaustive but are provided to illustrate the error

Required: Technically correct referencing style	Minor errors in technical correctness of referencing style Deduct 5% from percentage awarded	Major errors in technical correctness of referencing style Deduct 10% from percentage awarded
Consistency • The same referencing format has been used for all in-text references and in the bibliography/reference list.	Minor inconsistencies. • The referencing style is generally consistent, but there are one or two changes in the format of in-text referencing and/or in the bibliography. • For example, page numbers for direct quotes (in-text) have been provided for one source, but not in another instance. Two book chapters (bibliography) have been referenced in the bibliography in two different formats.	Major inconsistencies. • Poor and inconsistent referencing style used in-text and/or in the bibliography/ reference list. • Multiple formats for the same type of referencing have been used. • For example, the format for direct quotes (in-text) and/or book chapters (bibliography/ reference list) is different across multiple instances.
Technical correctness • Referencing format is technically correct throughout the submission. • Position of the reference: a reference is directly associated with every concept or idea. • For example, quotation marks, page numbers, years, etc. are applied correctly, sources in the bibliography/reference list are correctly presented.	Generally, technically correct with some minor errors. • The correct referencing format has been consistently used, but there are one or two errors. • Concepts and ideas are typically referenced, but a reference is missing from one small section of the work. • Position of the references: references are only given at the beginning or end of every paragraph. • For example, the student has incorrectly presented direct quotes (in-text) and/or book chapters (bibliography/reference list).	Technically incorrect. • The referencing format is incorrect. • Concepts and ideas are typically referenced, but a reference is missing from small sections of the work. • Position of the references: references are only given at the beginning or end of large sections of work. • For example, incorrect author information is provided, no year of publication is provided, quotation marks and/or page numbers for direct quotes missing, page numbers are provided for paraphrased material, the incorrect punctuation is used (in-text); the bibliography/reference list is not in alphabetical order, the incorrect format for a book chapter/journal article is used, information is missing e.g. no place of publication had been provided (bibliography); repeated sources on the reference list.
Congruence between in-text referencing and bibliography/ reference list • All sources are accurately reflected and are all accurately included in the bibliography/ reference list.	Generally, congruence between the in-text referencing and the bibliography/ reference list with one or two errors. • There is largely a match between the sources presented in-text and the bibliography. • For example, a source appears in the text, but not in the bibliography/ reference list or vice versa.	A lack of congruence between the in-text referencing and the bibliography. • No relationship/several incongruencies between the in-text referencing and the bibliography/reference list. • For example, sources are included in-text, but not in the bibliography and vice versa, a link, rather than the actual reference is provided in the bibliography.
In summary: the recording of references is accurate and complete.	In summary, at least 80% of the sources are correctly reflected and included in a reference list.	In summary, at least 60% of the sources are incorrectly reflected and/or not included in reference list.

Overall Feedback about the consistency, technical correctness and congruence between in-text referencing and bibliography:

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Question 1 _____ **(Marks: 5)**

Multiple-choice questions: Select one correct answer for each of the following. In your answer booklet, write down only the number of the question and next to it, the number of the correct answer.

Q.1.1	Transactions accumulated and processed later as a group.	(1)
	(1) Group processing;	
	(2) Groupware;	
	(3) Batch processing;	
	(4) Data processing;	
	(5) Accumulation.	
Q.1.2	Output produced by the information system after processing.	(1)
	(1) input;	
	(2) process;	
	(3) output;	
	(4) data;	
	(5) system.	
Q.1.3	Data that is collected and stored in an organised and integrated series of files.	(1)
	(1) Dataset;	
	(2) Data source;	
	(3) Database;	
	(4) Data log;	
	(5) Data management.	
Q.1.4	Component of an information system.	(1)
	(1) Data;	
	(2) People;	
	(3) Hardware;	
	(4) Applications;	
	(5) Systems.	

Q.1.5	Comprises of raw facts and unanalysed numbers.		(1)
	(1)	Information;	
	(2)	Data;	
	(3)	System;	
	(4)	Processor;	
	(5)	Controls.	

Question 2   **(Marks: 10)**

Provide the name of the concept that is defined in Column A. In your answer booklet, complete Column B by writing down only the question number and, next to it, the concept being described.

	Column A	**Column B**
Q.2.1	A system that plays a pivotal role in helping people connect with one another.	
Q.2.2	An individual's ability to use a computer and productivity software applications that is installed on the computer effectively.	
Q.2.3	A term which refers to whether an individual understands the value of the information in terms of generating and using business intelligence.	
Q.2.4	The characters typed by a user using a keyboard.	
Q.2.5	Data that can be used for decision making purposes.	

Question 3   **(Marks: 20)**

Q.3.1	**Using suitable examples, differentiate** between the physical and schematic models.	(8)
Q.3.2	**Discuss** the relationship between the four functions of the information systems. **Also draw** the **diagram** depicting the relationship.	(12)

Question 4		**(Marks: 25)**
Q.4.1	**Briefly discuss** any two ways in which information systems can support management.	(4)
Q.4.2	**Briefly discuss** the Rate of Return On Investment (ROI).	(5)
Q.4.3	**Use** the value chain to relate it to any South African based company. **Identify** each activity of the value chain and **relate** it to the company.	(16)

END OF PAPER