



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF COMMERCE, HUMAN SCIENCES AND EDUCATION

DEPARTMENT OF MANAGEMENT

QUALIFICATION: BACHELOR OF BUSINESS AND INFORMATION ADMINISTRATION	
QUALIFICATION CODE: 07BBIA	LEVEL: 5
COURSE CODE: BIS511S	COURSE NAME: BUSINESS INFORMATION SYSTEMS 1A
SESSION: JUNE 2022	PAPER: THEORY PAPER 1
DURATION: 2 HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	MS D OLIVIER
MODERATOR:	MS S DU PLESSIS

INSTRUCTIONS	
1.	Answer ALL the questions.
2.	Write clearly and neatly.
3.	Number the answers clearly.

THIS QUESTION PAPER CONSISTS OF 4 PAGES (INCLUDING THIS FRONT PAGE)

QUESTION 1 - COLUMNS A AND B

(10 MARKS)

Match the following concepts in Column A with the definitions in Column B. Write down the question number and then the correct letter from Column B that matches that of Column A. e.g. 1.1 F

COLUMN A	COLUMN B
1.1 Inductor Coil	a) Involves control, delivery and evaluation of learning.
1.2 Expansion slot	b) Many electronic components such as the processor and memory are attached to it and others built into it.
1.3 Education	c) Is an expansion slot standard used for video cards.
1.4 Motherboard	d) A socket on a motherboard that can hold an adaptor card, such as video card, sound card or network interface card.
1.5 Computer-Aided Learning	e) A connection that allows a computer processor to be connected to a motherboard.
1.6 AGP	f) A type of sophisticated X-ray device that obtains detailed images of internal organs.
1.7 CPU socket	g) Wire such as a copper in a cylindrical form around an iron core that creates an electromagnetic to store magnetic energy.
1.8 Marketing	h) The process of using information technology to help to teach and enhance the learning process.
1.9 Volatile memory	i) Provides personal organiser functions such as notepad, a calendar, address book, etc.
1.10 CT Scan	j) The action or business of promoting and selling products or services, including market research and advertising.
	k) It does not lose its contents when the computer or hardware device loses power.

QUESTION 2 - TRUE AND FALSE

(5 MARKS)

- 2.1 A mobile device is smaller than a laptop but larger than a tablet and it runs on batteries.
- 2.2 Tower server is a server built into a horizontal cabinet that is free standing.
- 2.3 A program is a list of instructions that tells the computer how to perform simple operations in order to accomplish a specific task.
- 2.4 Bits is short for basic information technology system.
- 2.5 A desktop computer is a personal computer designed to be in a stationery location.

QUESTION 3 - FILL IN THE MISSING WORD/PHRASE

(5 MARKS)

- 3.1 is the most obvious part of a computer-based information system.
- 3.2 can be used to manage a Home budget.
- 3.3 A typical desktop computer consists of a computer system unit, a, a mouse and a monitor.
- 3.4 is another type of expansion slot that will only be found on much older computers.
- 3.5 are also used in computers and other devices to store information and run programs on the computer.

QUESTION 4 - LONG QUESTIONS

(30 MARKS)

- 4.1 List and explain the four (4) elements required to generate information from a computer. (8)
- 4.2 List the five electronic components of the system unit. (5)
- 4.3 Explain the function of the Arithmetic Logic Unit (ALU) and give an example of how it is used. (2)
- 4.4 Write out in full the following abbreviations:
TB, MB, GB, HDD and OS (5)
- 4.5 Briefly outline the machine cycle process. (8)
- 4.6 Name two areas where the military use computers in their day to day activities. (2)

QUESTION 5

(50 MARKS)

- 5.1 Briefly discuss the process of the Information Processing Cycle. Please also make use of a diagram to support your explanation of the process. (10)
- 5.2 Computers have changed the way we do things and have are essential in most areas like medicine, accounting, etc. Discuss three (3) advantages and four (4) disadvantages of computers in society today? (14)
- 5.3 List and explain the three (3) characteristics of mobile devices. (6)
- 5.4 Name two types of servers. (2)
- 5.5 Name the five (5) categories of computers usage and describe two (2). (7)
- 5.6 The computer user can take on several roles depending on what he or she wants to accomplish. Please list these roles of users. (5)
- 5.7 Explain an embedded computer and give one example of an everyday product that contains this computer. (3)
- 5.8 What is a super computer and which country holds the number one position for inventing the best super computers? (3)

Paper Total: 100