



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

**FACULTY OF COMPUTING AND INFORMATICS
DEPARTMENT OF INFORMATICS, JOURNALISM AND MEDIA TECHNOLOGY**

QUALIFICATION : BACHELOR OF LOGISTICS AND SUPPLY CHAIN MANAGEMENT	
QUALIFICATION CODE: 07BLSC	COURSE LEVEL: NQF LEVEL 6
COURSE: INFORMATION TECHNOLOGY IN LOGISTICS	COURSE CODE: ITL611S
DATE: JUNE 2022	SESSION: 1
DURATION: 2 ½ Hours	MARKS: 60

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER:	DR EDMORE CHIKOHORA
MODERATOR:	MR NKULULEKO MTHEMBO

**THIS EXAMINATION PAPER CONSISTS OF 3 PAGES
(INCLUDING THIS FRONT PAGE)**

Instructions for the students

1. Attempt all questions
2. Use a separate booklet to write your answers
3. Please ensure that your handwriting is legible, neat and presentable

Question 1**[8 MARKS]**

Identify the differences or similarities between the following terms as used in Information technology.

- i. Big Data and Data Warehouse [2 marks]
- ii. Information technology and Information Systems [2 marks]
- iii. Hardware and Software [2 marks]
- iv. Systems Software and Application software [2 marks]

Question 2**[18 MARKS]**

“Cloud computing can be understood as the on-demand availability of computer system resources such as data storage and computer power without direct active management by the user”.

From the above assertion;

- i. List and explain any Three (3) deployment models in cloud computing [6 marks]
- ii. Discuss any Two (2) advantages and two (2) disadvantages of using cloud computing [8 marks]
- iii. What are the possible security issues associated with practicing cloud computing [4 marks]

Question 3:**[19 MARKS]**

“The Internet of Things (IoT) is one of the innovations that have made its mark in multiple industries worldwide over the past years. Logistics and supply businesses that implemented IoT technology have gained tremendous advantage over their competitors”.

- i. Why has IoT gained so much interest in Logistics and supply businesses [5 marks]
- ii. Discuss any Three (3) key success factors of IoT in Logistics and supply chain [6 marks]
- iii. List and elaborate using examples any Four (4) real world applications of IoT [8 marks]

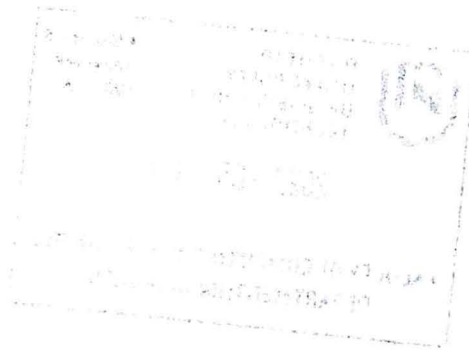
Question 4:**[15 MARKS]****Case study 1:**

“Founded in 1970s, EC Logistics Namibia has a highly experienced and professional team which offers full range of services such as procurement, warehouse, production, transport, spare parts, outbound and disposal logistics services that are customized to the needs of their customers and their whole supply chain in SADC and Europe. EC Logistics’ field of activity begins at the end of the production process with production related services and ends with the delivery to the end users/ consumers. All steps between these like warehousing, commissioning, production-related services, and administration are included. Apart from the above services they also handle procurement logistics, parts of the supply management based

on framework contracts with the suppliers, spare parts distribution for service technicians all over SAC and Europe as well as elements of disposal logistics.”

Carefully read Case study 1 and attempt the questions that follows:

- i. What does the acronym AIDC stand for? [1 mark]
- ii. Describe using examples the term AIDC as used in a logistics organisation. [2 marks]
- iii. From case study 1, suppose EC Logistics decides to implement AIDC systems. Name the application areas where the AIDC systems can be used. [4 marks]
- iv. Suppose EC Logistics decides to implement AIDC systems, outline the possible benefits and challenges they are likely to encounter in the business. [8 marks]



End of the Examination



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