



**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: JULY 2022	SESSION: 2
DURATION: 2 ½ Hours	MARKS: 60

SECOND OPPORTUNITY/SUPPLEMENTARY 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**[10 MARKS]**

Define the following terms as used in Information Technology.

- i. Trojan horse [2 marks]
- ii. Bandwidth [2 marks]
- iii. Wearables [2 marks]
- iv. Business intelligence [2 marks]
- v. Internet of Things [2 marks]

Question 2**[12 MARKS]**

“Computers can be as big as occupying a large building and as small as a laptop or a microcontroller in mobile and embedded systems.”

Based on the above assertion, we can identify Four (4) basic categories of computers named as follows:

- i. Supercomputer
- ii. Mainframe computer
- iii. Minicomputer
- iv. Microcomputer

Describe the four categories of computers listed above. In your description include their application areas. [12 marks]

Question 3:**[19 MARKS]**

“Supply Chain Design (SCD) systems have helped many organisations with alternative ways or choices to realize their business goals.”

- i. Examine if the above assertion is True or False. Justify your idea(s) [4 marks]
- ii. What is your understanding of the terms, SCD and Supply Chain Management as applied in Logistics and Supply Chains? [4 marks]
- iii. Discuss possible benefits and challenges of SCD to a logistics organisation. [7 marks]
- iv. Michael E. Porter noted that *“Competitive advantage cannot be understood by looking at a firm, but it stems from the many discrete activities a firm performs in designing, producing, marketing, delivering and supporting its products”*.

Describe any Two (2) Primary activities that according to Michael Porter contribute to the organization's relative cost position. [4 marks]

Question 4:

[19 MARKS]

Case study 1:

“Native logistics is a VAT registered company in Namibia. Its headquarters are in Namibia’s capital city Windhoek where sales, purchasing and manufacturing activities are managed. The company is run by four managers, 2 production engineers and currently employs more than 30 Namibians. Its operations span five departments: logistics and international sales, accounts and finance, sales and marketing, production and administration. The company’s main production facility is in Ondangwa Namibia north, where it manufactures products for both the domestic as well as exports to SADC countries. Native Logistics procures the various raw materials from both local and international vendors such as China and Brazil.”

Carefully read case study 1 and answer the questions that follow:

- i. Identify a suitable type of network for Native Logistics and justify your selection [3 marks]
- ii. Explain the challenges associated with the network your selected in i. [4 marks]
- iii. Describe the following types of computer network. In your description mention application area(s) where the network is most suitable.
 - a) Wide Area Network [3 marks]
 - b) Local Area Network [3 marks]
 - c) Metropolitan Area Network [3 marks]
 - d) Hybrid Network [3 marks]

End of Supplementary Examination



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