

UNIVERSITY EXAMINATIONS

UNIVERSITEITSEKSAMENS

**TRL3708**

October/November 2013

LOGISTICS SYSTEMS

Duration 2 Hours

70 Marks

EXAMINERS

FIRST

MRS NJ MATSOMA

SECOND

PROF A BRITS

EXTERNAL

PROF JH DU PLESSIS

Closed book examination

This examination question paper remains the property of the University of South Africa and may not be removed from the examination venue

This exam question paper consists of 11 pages, including 2 pages for rough work.

INSTRUCTIONS:

1. **WRITE YOUR ANSWERS ON THIS EXAMINATION SCRIPT AND HAND IT TO THE INVIGILATOR WHEN YOU HAVE FINISHED.**
2. **ON THE FRONT COVER OF THIS EXAMINATION SCRIPT, DRAW A CIRCLE AROUND THE QUESTION NUMBER OF EACH OF THE LONG QUESTIONS THAT YOU ANSWER.**
3. **READ THROUGH ALL OF THE QUESTIONS CAREFULLY.**

THIS EXAMINATION PAPER CONSISTS OF TWO SECTIONS [19 PAGES]:

SECTION A: (COMPULSORY) ANSWER ALL THE SHORT QUESTIONS (20 MARKS)

SECTION B: ANSWER ANY TWO (2) OF THE THREE (3) LONG QUESTIONS (50 MARKS)

PLEASE NOTE: ONLY THE FIRST TWO (2) QUESTIONS THAT YOU ANSWER WILL BE MARKED. YOU WILL NOT BENEFIT IN ANY WAY IF YOU ANSWER ALL THREE (3) LONG QUESTIONS

TOTAL (70 MARKS)

SECTION A
ANSWER ALL THE QUESTIONS IN THIS SECTION.
SUBTOTAL: 20 MARKS

QUESTION 1

1.1 What is the effect of a warehouse on transport cost in the logistics network? (2)

1.2 Briefly explain the two types of uncertainties impacting the inventory policy (2)

1.3 Give a short definition of the supply chain information system (2)

1.4 Explain the importance of bar-coding and scanning in logistics (2)

1.5 Explain one benefit of supply chain planning (3)

1.6 What are the four alternative ways to meet specific service requirement **(4)**

1.7 Name two types of technologies that can be used in supply chain communication **(2)**

1.8 Present the relationship between inventory cost and transport cost in a form of a graph. **(3)**

[20]

