



TRL3708 TRL308C

May/June 2013

LOGISTICS SYSTEMS

Duration

2 Hours

70 Marks

EXAMINERS

FIRST SECOND EXTERNAL MRS NJ MATSOMA PROF A BRITS PROF JH DU PLESSIS

Use of a non-programmable pocket calculator is permissible

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 13 pages, including 2 sheets 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

lame three features of the Supply Chain Information System
lame key logistics system design questions
name key logistice eyetem design questions
riefly explain the following terms used in the warehouse base stock, safety stock, stock in ansit
Distinguish between the demand and the supply facing warehouse

E	xplain the	e following terms used in logistics operations	(2)
5	(1)	anticipatory business model	
_			
	(11)	responsive business model	
_	1		
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Brie	fly expla	un the term simultaneous resource consideration used	d in logistics planning

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	orks (VANs) and European Article Numbering (EAN)	
	Briefly explain one of the four major components of Advance Planning system (APS)	
_	.	_

[20]

$\frac{\text{SECTION B}}{\text{ANSWER ANY TWO (2) OF THE THREE (3) QUESTIONS IN THIS SECTION.}}$ SUBTOTAL: 50 MARKS

QUESTION 2

	Build Yourself Service (Pt) Ltd manufactures luxury office furniture and is one of the top logistics company in South Africa. The company approached you as a logistics consultant to provide guidance on how they can service customers most profitably 2.1 Advise the company by discussing service and cost strategies that have a direct impact on customer service in logistics (25)	
		[25]
2	Advise the company by discussing service and cost strategies that have a direct impact on customer service in logistics	(25)

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3 2 Discuss the Dianning project	data collect s (13)	lion and ana	alysis as one	of the steps of	flogistics
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	[25]
Question 4	
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Let Us Drink is a beer manufacturing company in South Africa Previously logis	SUCS
managers used to rely on fax machines , invoices , telephonic communication	_
when sharing business information with participants in the supply chain. With	
emergence of new technology currently, Let Us Drink was introduced to the ne	W
system that facilitates sharing of information and assists in planning for the	
resources of the business	
resources of the business	
4.1Discuss the benefits that may be anticipated when using the new system (2)	25)

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Examiners:

First : Mrs NJ Matsoma

Second: Prof A Brits

External: Prof JH Du Plessis

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