



**The Chartered
Institute of Logistics
and Transport**

INTERNATIONAL DIPLOMA IN TRANSPORT & LOGISTICS

TRANSPORT OPERATIONS

DIP03

NOVEMBER 2022

Instructions to Candidates

- Duration of examination: **3 hours**
- **Answer Question 1(Compulsory) and any other 3 Questions in Section B**
- Questions may be answered in any order
- Allocation of marks is indicated along each question
- Credit will be given for citing relevant examples
- Write legibly

Section A

Compulsory answer all Questions in this section

Question 1

Explain with examples the rivers to effective costing and pricing in Transport Operations. **(20 marks)**

Question 2

CILT Bulawayo runs a bus from Mutare to Plumtree, a distance of 677km. The bus is manned by the driver and conductor who earn \$550/month and

\$400/month respectively. The bus does 1 trip a day and operates 20 days a month. The following additional information is also availed:

a	<i>Cost of the bus</i>	<i>\$80 000.00</i>
b	Fixed Office Costs	\$ 1 200.00
	Insurance per year	\$1 200.00
	Fuel consumption	10km/l
	Fuel cost	\$1.75/l
	Repairs and maintenance per year	\$4000.00
	Permits and licenses per year	\$4500.00
	Normal Seating Capacity	70 pax
	Depreciation	20% p.a
	Depreciation	\$1000.00

Required:

How do you calculate cost/km/passenger, overall expected costs and revenue assuming the bus runs 100% full capacity either way?

(20 marks)

SECTION B

Answer any THREE questions from this section.

Question 1

Describe any FIVE guidelines that comply with the Environmental Management Agency (EMA) and the Hazardous Substances Act when moving dangerous goods above the exempt quantity.

(20 marks)

Question 2

Explain how proactive or active monitoring works as a workplace safety measure in transport operations.

(20 marks)

Question 3



- (i) Differentiate between a trip permit and a route-period permit in the conveyance of this type of load. **(5 marks)**
- (ii) Consider the picture above: List and discuss THREE markings required to ensure the load is transported in accordance with legislative requirements. **(5 marks)**
- (iii) What are the challenges brought about by the movement of abnormal load on public roads? **(10 marks)**

Question 4

You have been appointed a Transport Operations Advisor of a Road Haulage Company that is struggling to keep operating and a target of hostile takeover bid.

- i. What strategies would you recommend to the shareholders of the company to wade off the takeover? **(5 marks)**
 - ii. Identify and explain any 5 motives behind a company merger. **(5 marks)**
- (b) Write brief notes on the following transport financial management concepts.
- i. Internal Rate of Return. **(5 marks)**
 - ii. Net Present Value. **(5 marks)**