



**The Chartered
Institute of Logistics
and Transport**

INTERNATIONAL DIPLOMA IN LOGISTICS AND TRANSPORT

TRANSPORT PLANNING

DIP04

FEBRUARY 2023

SUPPLEMENTARY EXAMINATIONS

Instructions to Candidates

- Duration of examination: **3 hours**
- **Answer any 5 Questions**
- 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

ANSWER ANY 5 QUESTIONS

Question 1

Discuss under what circumstances and why:

- a) Rail-based systems would have advantages over road transport for freight and passenger. **(5 marks)**
- b) Road transport would have advantages over transport movement for freight movement. **(5 marks)**
- c) Travelling by air from Harare to Victoria Falls would be more advantageous than undertaking that same journey by train. **(10 marks)**

Question 2

'It is important to appreciate that people's perceptions can be affected and determined by a wide range of considerations and that determination of service quality may not always have a rational and or logical foundation'.

Identify and explain any five (quantifiable) attributes on which the quality of service can be evaluated. **(20 marks)**

Question 3

Analyse the operational efficiency and performance under the following:

- i) System performance
- ii) Accessibility

(20 marks)

Question 4

Clearly outline the importance of determining the study area and zones in transportation forecasting.

(20 marks)

Question 5

'It may be suggested that the polluters should pay for the damages to environmental quality.' Identify and explain any four drawbacks, which limit its general application.

(20 marks)

Question 6

Critically analyse the potential ways of achieving sustainable mobility and transportation under the following:

- i) Market-based instruments
- ii) Regulatory-based instruments
- iii) Public infrastructure/services
- iv) Land use planning and spatial development policies and programmes.

(20 marks)