



**The Chartered
Institute of Logistics
and Transport**

INTERNATIONAL DIPLOMA IN LOGISTICS AND TRANSPORT

TRANSPORT PLANNING

DIP04

NOVEMBER 2022

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

Question 1

Evaluate the issues of access and mobility.

(20 marks)

Question 2

Analyse with examples the basic principles of transport planning.

(20 marks)

Question 3

“Mobility may increase economic efficiency through movement of trade and labour.”

Discuss how

(20 marks)

Question 4

What is the relationship between land use and transportation? Using any five of the following headings to have an in depth analysis of this relationship.

- i) Need for land use planning
- ii) Sustainable transport
- iii) State's role in land use planning
- iv) Mobility
- v) Accessibility
- vi) Degree of connectivity
- vii) Zones and Centroids

(20 marks)

Question 5

- a) What is meant by accessibility?
- b) Identify and discuss how accessibility problems can be solved.

(20 marks)

Question 6

Give an account on the following:

- i) Gravity model
- ii) Time geographic approach
- iii) Time or cost rings
- iv) The use of geographic information services (GIS)

(20 marks)