INTERNATIONAL CERTIFICATE IN LOGISTICS AND TRANSPORT

TRANSPORT PLANNING
08-L3

MARCH 2025 SUPPLEMENTARY EXAMINATION

Note to Candidates

Candidates are advised to spend NOT more than 40 minutes on each question

Instructions to Candidates

- Duration of examination: **2.30 hours**
- **Answer FIVE questions**
- Questions may be answered in any order.
- Allocations of marks are indicated along each question.
- Credit will be given for citing relevant examples.
- Write legibly.

QUESTION 1

a) Define the term sustainable transportation. **(4 marks)**

b) Sustainability has become an agenda on most international forums. Suggest how any of the following can aid sustainability on the least economically developed countries.

i) Land use planning and transport planning. **(8 marks)**

ii) Accessibility **(8 marks)**

QUESTION 2

a) List the opportunities and threats that are associated with transport planning. **(3 marks)**

b) The process of establishing and adopting a transport strategy has a number of stages: List them. **(5 marks)**

c) Name the four generic stages of the accessibility planning process that can be adapted to suit local circumstances. **(4 marks)**

d) Give a brief explanation of each generic stage of the accessibility planning process in (c) above**.** **(8 marks)**

QUESTION 3

Explain the relationship between land use and transport planning. **(20 marks)**

QUESTION 4

a) Write the two sources of data. **(2 marks)**
b) Write short notes on each source named in (a) above**.** **(4 marks)**
c) Explain in detail each stage of the 'traditional' Four Stage Transport Model. **(12 marks)**
d) Give two advantages of Cost Benefit Analysis. **(2 marks)**

QUESTION 5

Identify and explain the costs of congestion and highlight ways cities can mitigate congestion costs. **(20 marks)**

QUESTION 6

a) 'Local transport authorities have a responsibility to develop and implement transport policy for their own areas within a context provided by national and regional transport policies and may set transport policy in a variety of ways'. Name the several varieties you know. **(6 marks)**

b**) '**When considering a strategy or plan to deal with predicted increases in the number of trips being made, there are three broad options available. Identify the three options and give a brief description of each. **(12 marks)**

c) SMART is an acronym, give its meaning. **(2 marks)**