

TRL3025

May/June 2012

TRANSPORT PLANNING AND INVESTMENT

Duration 2 Hours

70 Marks

EXAMINERS

FIRST

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SECOND

PROF A BRITS

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This paper consists of 2 pages

SECTION A:

ANSWER ALL THE QUESTIONS IN THIS SECTION

QUESTION 1

- | | | |
|-------|--|-----|
| (i) | Analyse the linkage between transport and economic development , and contrast direct with indirect linkage | (8) |
| (ii) | Differentiate between the three (3) types of analytical models used in the simulation of the transport system and clearly indicate their application possibilities | (6) |
| (iii) | Distinguish between a natural hinterland of a port and its competitive hinterland | (6) |

TOTAL [20]

SECTION B.

ANSWER TWO OF THE THREE (3) QUESTIONS IN THIS SECTION

QUESTION 2

Discuss in detail South Africa's policy on the provision of **road infrastructure**. One of the principles of the policy is to recover full costs from the users. Relate this principle to the controversy surrounding toll roads

[25]

QUESTION 3

Discuss the analytical phase of multi criteria evaluation of investment in transport infrastructure in terms of

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|---|------|------|
| (i) identification of elementary consequences | (5) | |
| (ii) identification of standards (measures) and | (10) | |
| (iii) identification of criteria | (10) | [25] |

QUESTION 4

- | | | |
|--|------|------|
| (i) Distinguish clearly between regional and national airport planning. In your answer the need for integrated airport systems planning should also feature | (15) | |
| (ii) <i>The White Paper on National Transport Policy</i> defines five (5) broad goals to be achieved. Name these five goals and indicate critically if they are being achieved in South Africa at present | (10) | [25] |

TOTAL [100]

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