

TRL3702

October/November 2013

TRANSPORT PLANNING AND INVESTMENT

Duration 2 Hours

70 Marks

EXAMINERS ·

FIRST

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SECOND

PROF A BRITS

EXTERNAL

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Closed book examination.

This examination question paper remains the property of the University of South Africa and may not be removed from the examination venue.

SECTION A:

ANSWER ALL THE QUESTIONS IN THIS SECTION

QUESTION 1

- (i) Explain why a transport policy supported by **regional objectives** should be approached with caution (8)
- (ii) Briefly explain what is meant by the **technical assessment in the application of the suitability theory** (5)
- (iii) Write brief notes on the **three types of analytical models used in the simulation of the transport system** when doing transport planning (6)
- (iv) Give one of the **purposes of toll systems**. (1)

SECTION B:

TOTAL [20]

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

QUESTION 2

Discuss in detail **Cost/benefit analysis** by referring to **criteria** and **techniques** used in economic evaluation of transport projects

[25]

Question 3 / continues

QUESTION 3

- (i) Describe the **authorities' role in road provision** Give your opinion on whether the implementation of toll roads is a shirking of their role (10)
- (ii) Explain the **interaction between a port and its environment** by referring to its **hinterland** and the **economies** that can be realised from its immediate surroundings Briefly indicate how you would ensure **transport integration** in port planning and development (15) **[25]**

QUESTION 4

"Planning for **one airport** cannot be done in isolation " Discuss this statement in detail **[25]**

TOTAL [50]

First Examiner Mnr JW Barendrecht
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