



MODULE : TRANSPORT ECONOMICS 3B

CODE : VVR3B01/TRE23B3

DATE : 13 JANUARY 2017

DURATION : 08:00 – 11:00

TOTAL MARKS : 180

EXAMINER : MRS E KRIEL

MODERATOR : MRS K VISSER

NUMBER OF PAGES : 2 PAGES

INSTRUCTIONS TO CANDIDATES:

- Question papers must be handed in.
 - This is a closed book assessment.
 - Read the questions carefully and answer only what is asked.
 - Number your answers clearly.
 - Write neatly and legibly.
 - Structure your answers by using appropriate headings and sub headings.
 - The general University of Johannesburg policies, procedures and rules pertaining to written assessments apply to this assessment.
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ANSWER ALL QUESTIONS

QUESTION 1**(40 Min.: 40 Marks)**

The Strategic Integrated Transport Plan Framework for the City of Johannesburg has been developed to be consistent with current government policies and objectives. The Transport Department of the City of Johannesburg has developed this *Strategic Framework* and bears the main responsibility for its implementation. It is responsible for transport planning, policy development, project implementation and services. It is responsible for providing infrastructure and services that support walking, cycling and public transport, for fostering behavioural change to improve road safety, and for enabling mobility, including that of freight.

The Strategic Integrated Transport Plan Framework for the City of Johannesburg identified 9 strategic thrusts or strategic objectives in order to meet the objectives of the City's Joburg 2040 Growth and Development Strategy.

You are required to analyse any four (4) of these strategic objectives (thrusts) in terms of (a) current status, (b) desired outcome, (c) policy and objectives as well as (d) strategies that need to be pursued

QUESTION 2**(10 Min.: 10 Marks)**

Transportation Planning is viewed as a systematic process to solve transportation problems. With this in mind you are required to describe the steps involved in the urban transportation planning process.

QUESTION 3**(25 Min.: 25 Marks)**

Urban transport planning must provide a framework within which the market can operate. This framework addresses five main issues, where it is seen that transport planning has a major role to play. Discuss these five issues in detail.

QUESTION 4**(20 Min.: 20 Marks)**

Examine the factors that would influence trip generation under the following headings:

- a) Land Use Factors
- b) The Home
- c) Other Factors
- d) Urbanisation

QUESTION 5**(15 Min.: 15 Marks)**

Review the five main issues confronting transportation and transport planners today and which are likely to have an even greater impact in the future.

QUESTION 6**(40 Min.: 40 Marks)**

Transport and Travel have evolved considerably over the last four decades. Summarise this statement by referring to:

- a) The era of the car
- b) Current patterns and trends
- c) International comparisons
- d) Conclusion

QUESTION 7**(30 Min.: 30 Marks)**

Sustainable development and the environment have become two important issues that need to be considered in transport planning. Discuss this statement under the following captions:

- a) Transport and the environment
- b) Transport and sustainable development
- c) The "Third Way"