



FACULTY/COLLEGE	College of Business and Economics
SCHOOL	Johannesburg Business School
DEPARTMENT	Transport and Supply Chain Management
CAMPUS(ES)	APB
MODULE NAME	Transport Planning and Management
MODULE CODE	TPM01B1
SEMESTER	Second
ASSESSMENT OPPORTUNITY,	Supplementary Summative Assessment
MONTH AND YEAR	January 2020

ASSESSMENT DATE	January 2019	SESSION	
ASSESSOR(S)	Mrs E Kriel		
MODERATOR(S)	Mr H Lemmer		
DURATION	180 minutes	TOTAL MARKS	120

NUMBER OF PAGES OF QUESTION PAPER (Including cover page)	2
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INFORMATION/INSTRUCTIONS:

- This is a closed-book assessment.
- There are 4 questions. Please answer all the questions
- Read the questions carefully and answer only what is required.
- Number your answers clearly and correctly as per the question paper.
- Write neatly and legibly on both sides of the paper in the answer book, starting on the first page.

QUESTION 1

(30 Marks: 30 Min)

- 1.1 The urban transport system can be classified into two sections. Citing examples, identify and explain the two sections. **[10]**
- 1.2 Highlight the assumptions the transport planning process is based on. **[5]**
- 1.3 In South Africa there are three spheres or levels of government that are concerned with transport planning. Each level has its own responsibilities with regard to transportation planning. **Identify** the three levels and **describe** the responsibilities of each level in terms of transport planning. **[15]**

QUESTION 2

(30 Marks: 30 Min)

- 2.1 Differentiate between short term and long term planning **[8]**
- 2.2 Identify and define the concepts involved in the four stage demand estimation model **[12]**
- 2.3 Briefly explain the steps involved in the evolution of transport systems. **[10]**

QUESTION 3

(30 Marks: 30 Min)

- 3.1 Identify and explain the most important components that make up urban dynamics and that interact with one another in an urban area **[10]**
- 3.2 Discuss the strategies in travel demand management that can be employed in an urban area in an attempt to reduce congestion: **[12]**
- 3.3 Identify and briefly describe any four (4) Active Traffic Management (ATM) approaches that can be implemented in an urban area **[8]**

QUESTION 4

(30 Marks: 30 Min)

- 4.1 Describe any five (5) of the core set of strategic actions aimed at leveraging and enhancing the delivery of rural transport infrastructure and services as set out in the Rural Transport Strategy South Africa. **[15]**
- 4.2 When you're the victim of a car accident, physical injury is often the most obvious consequence, however, there are many other potential consequences that you could be suffering as a result of your accident. **Identify** and **explain** five such negative impacts as a result of a traffic accident. **[15]**