



QUALIFICATION : B COM (Hons) Transport Economics
MODULE : REGULATION OF PUBLIC PASSENGER
TRANSPORT
CODE : TRE8X06
DATE : SUPPLEMENTARY EXAMINATION
DURATION : 180 MINUTES
TOTAL MARKS : 176

EXAMINER(S) : MR H VAN LAAR

(EXTERNAL) MODERATOR(S) : DR L NAUDE

NUMBER OF PAGES : 3

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.
 - Answer each section on a different answer sheet.
-

QUESTION 1**(25 MIN: 25 MARKS)**

- a) Identify and explain the challenges to implementing congestion pricing (10)
- b) In terms of data surveys - define the following: (10)
 - Transfer Counts
 - Fare Usage
 - Passenger Travel Information
 - Use of Timetables
- c) The analysis of passenger movements along a transit line can be conducted through various indicators. Identify and explain these indicators. (5)

QUESTION 2**(20 MIN: 16 MARKS)**

- a) Define latent demand (3)
- b) To satisfy variable demand will require that services be tailored to cover the demand as closely as possible. Discuss briefly how this can be achieved. (3)
- c) Differentiate between Transit Speed & Delay Survey and Passenger Volume & Load Counts (10)

QUESTION 3**(30 MIN: 30 MARKS)**

- a) Explain the importance of fares policy
- b) Discuss the purpose of fares.
- c) Identify and explain the factors that influence fare elasticity.
- d) Discuss effectively protecting revenue and controlling fare evasion

QUESTION 4**(10 MIN: 10 MARKS)**

Distinguish between Radial Lines and Diametrical Lines (10)

QUESTION 5**(15 MIN: 15 MARKS)**

A transit system consists out of mainly three major interest groups; namely (1) the passengers, (2) the operators and (3) the community, which includes the authorities. Analyse the requirements of the community.

QUESTION 6**(30MIN: 30 MARKS)**

Discuss Transit Mode Evaluation (30)

QUESTION 7**(20 MIN: 20 MARKS)**

- a) Define and explain the benefits of BRT
- b) Define and describe the benefits of LRT

QUESTION 8**(20 MIN: 20 MARKS)**

- a) Compare RRT and LRT
- b) Differentiate between High-Performance (High-Perf.) Transit Modes and Medium-Performance (Med-Perf.) Transit Modes

QUESTION 9**(10 MIN: 10 MARKS)**

- a) Integration **can** be achieved within different spheres of the transportation system. Motivate this statement.
- b) Discuss the benefits of Integrated Transport

ooooooOoooo