



MODULE : **INFRASTRUCTURE STUDIES**
CODE : **TRE8X04**
DATE : **JANUARY 2018 SPECIAL EXAMINATION**
DURATION : **180 MINUTES**
TOTAL MARKS : **180 MARKS**

EXAMINER(S) : **DR R LUKE**
(EXTERNAL) MODERATOR(S) : **MRS K VISSER**
NUMBER OF PAGES : **2 PAGES**

INSTRUCTIONS TO CANDIDATES:

- Question papers must be handed in.
- Answer questions as per instructions
- 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 ALL questions.

QUESTION 1

[30 MARKS]

Explain the broader and narrower problems associated with inadequate transport infrastructure as well as the strategies that can be applied to overcome these problems within the South African environment.

QUESTION 2

[30 MARKS]

The government is considering the conversion of the former Durban International Airport into a car terminal for Durban Port. Apply the project evaluation steps to this project

QUESTION 3

[30 MARKS]

Compare dedicated infrastructure funds, capital grants, concessions and user charging as methods of infrastructure financing. In your discussion you should refer specifically to a comprehensive definition of each method and the advantages and disadvantages of each. Which do you think would be most appropriate for an upgrade of the border post between South Africa and Mozambique? Motivate your answer in full.

QUESTION 4

[30 MARKS]

One of the biggest challenges facing the South African government today is the financing of infrastructure. Financing methods that worked in the past are no longer relevant. Critically analyse this statement. In your analysis, you will also need to discuss the reasons why governments are adopting new approaches to infrastructure financing.

QUESTION 5

[30 MARKS]

Examine how legislative development has influenced the provision of transport infrastructure in South Africa.

QUESTION 6

[30 MARKS]

Choose any ONE of the following projects and critically analyse whether you believe that this is a successful or a failed megaproject. Your analysis should include a comprehensive overview of the project promises and an evaluation of the extent to which these have been met.

- Gauteng Freeway Improvement Project
- King Shaka International Airport with Dube Tradeport
- Gautrain
- Rea Vaya
- My Citi
- Port of Ngcuru with Coega IDZ

[180 MARKS]