



**NAMIBIA UNIVERSITY**  
OF SCIENCE AND TECHNOLOGY

**FACULTY OF MANAGEMENT SCIENCES**

**DEPARTMENT OF MARKETING AND LOGISTICS**

<b>QUALIFICATION:</b> BACHELOR OF TRANSPORT MANAGEMENT	
<b>QUALIFICATION CODE:</b> 07BTMM	<b>LEVEL:</b> 6
<b>COURSE CODE:</b> SPI621S	<b>COURSE NAME:</b> TRANSPORT SAFETY PRACTICE AND INFRASTRUCTURE MANAGEMENT
<b>SESSION:</b> JANUARY 2020	<b>PAPER:</b> THEORY
<b>DURATION:</b> 3 HOURS	<b>MARKS:</b> 100

<b>SECOND OPPORTUNITY EXAMINATION QUESTION PAPER</b>	
<b>EXAMINER(S)</b>	MR. JACINTO SILVA MS. ESTER JESAYA
<b>MODERATOR:</b>	MS. SELMA KAMBONDE

<b>INSTRUCTIONS</b>
1. Answer <b>ALL</b> the questions. 2. Write clearly and neatly. 3. Number the answers clearly.

**THIS QUESTION PAPER CONSISTS OF 3 PAGES (including this front page).**

**SECTION A: TRUE/FALSE QUESTIONS**

**[10 Marks]**

**Question 1**

**State whether the following statements are true or false: [2x5 =10 Marks]**

- 1.1. The effectiveness of hypothesis generation techniques can be affected by errors committed during the data collection phase, and may impair the accuracy of the outcome of the hypothesis generation.
- 1.2. In the event of fatalities, hospitals officials are the first to record the causes of death that later appears on death certificates.
- 1.3. Employee involvement is a component of a safety management system.
- 1.4. An accountable executive should understand how the SMS works, what it seeks to achieve, the potential benefits it will generate for the organization as such they are required to have a special safety management qualification.
- 1.5. Primary witnesses are witnesses who did not actually see the accident happen, but were in the vicinity.

**[Sub-total: 10 Marks]**

**SECTION B: STRUCTURED QUESTIONS**

**[90 Marks]**

**Question 2**

**[20 Marks]**

Discuss the following terms within the context of transport safety using examples?

- 2.1. Sharing rights-of-way [5 Marks]
- 2.2. Safe systems approach [5 Marks]
- 2.3. Safety Reviews [5 Marks]
- 2.4. Data Collection [5 Marks]

**[Sub-total: 20 Marks]**

**Question 3**

**[43 Marks]**

- 3.1. Within the transportation context, discuss what an accident is and also explain why should accident investigations be conducted? [8 Marks]
- 3.2. How did Namibia implement a safe system approach in the road mode of transport? [14 Marks]
- 3.3. You were recently hired by the Roads Authority (RA) as an expert on Transportation Planning. Advice the Chief Executive Officer of RA on nine (9) steps that must be considered when planning for Road Transport Infrastructure of Namibia? [9 Marks]

3.4. What does proactive transport safety management mean? Mention at least five (5) components of proactive transport safety management? [12 Marks]

[Sub-total: 43 Marks]

**Question 4**

[27 Marks]

4.1. List four (4) operations & maintenance challenges of transport infrastructure? You should also give two practical examples of each challenge. [12 Marks]

4.2. Evaluate three (3) factors that contribute to poor quality as well as lack of sustainable transport infrastructure operations & maintenance? [15 Marks]

[Sub-total: 27 Marks]

[Total: 100 Marks]

**THE END**