



**PAMIBIA UNIVERSITY**  
OF SCIENCE AND TECHNOLOGY

**FACULTY OF COMMERCE, HUMAN SCIENCES AND EDUCATION**

**DEPARTMENT OF MARKETING, LOGISTICS AND SPORT MANAGEMENT**

<b>QUALIFICATION : BACHELOR OF TRANSPORT MANAGEMENT</b>	
<b>QUALIFICATION CODE:</b> 07BTRA	<b>LEVEL:</b> 6
<b>COURSE CODE:</b> TOC6215	<b>COURSE NAME:</b> TRANSPORT OPERATIONS AND COSTING
<b>SESSION:</b> JANUARY 2026	<b>PAPER:</b> THEORY
<b>DURATION:</b> 3 HOURS	<b>MARKS:</b> 100

<b>SECOND OPPORTUNITY EXAMINATION QUESTION PAPER</b>	
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<b>INSTRUCTIONS</b>	
<ol style="list-style-type: none"><li>1. Answer ALL the questions from Section A.</li><li>2. Answer any Three (3) questions from Section B</li><li>3. Read all the questions carefully before answering.</li><li>4. Number the answers clearly.</li></ol>	

**THIS EXAMINATION PAPER CONSISTS OF \_4\_ PAGES (Including this front pages)**

**SECTION A: SHORT ANSWER QUESTIONS**

**20 MARKS**

**QUESTION 1: MULTIPLE CHOICE**

**Indicate the correct answer by writing for example: 1.1. A, 1.2. B or 1.3. C      2X10= (20 MARKS)**

1. Which factor most significantly influences transport costs and rates in freight services?
  - A) Vehicle color
  - B) Employee uniforms
  - C) Distance, fuel consumption, and payload capacity
  - D) Office location
  
2. Transport geography primarily contributes to transport planning by analyzing:
  - A) The manufacturing process of vehicles
  - B) Spatial distribution, location of facilities, and movement patterns
  - C) Employee productivity
  - D) Financial accounting methods
  
3. Modal competition in transportation tends to:
  - A) Encourage exclusive use of one transport mode
  - B) Drive efficiency, innovation, and user choice among different transport modes
  - C) Limit transport options for consumers
  - D) Reduce infrastructure investment
  
4. When selecting the form of business ownership in transport, the most critical considerations are:
  - A) Marketing potential and company logo
  - B) Legal liabilities, financing needs, management control, and tax implications
  - C) Proximity to competitors
  - D) Size of the office space
  
5. Which trend is significantly shaping land transport operations in Southern Africa?
  - A) Decline in demand for freight transport
  - B) Integration of intelligent transport systems (ITS) and increasing intermodal connectivity
  - C) Complete deregulation of transport safety standards
  - D) Reduction in road infrastructure spending
  
6. In rail operations, the traffic management cycle includes:
  - A) Vehicle inspection only
  - B) Only loading and unloading freight
  - C) Scheduling, dispatching, monitoring, and controlling train movements
  - D) Air traffic control coordination

7. Pipeline system reliability depends largely on:
  - A) The aesthetic appeal of pipelines
  - B) Maintenance practices, monitoring technologies, and automation for failure prevention
  - C) Marketing campaigns
  - D) Flat rate pricing models
  
8. Flight schedule disruptions most commonly result from:
  - A) Weather variability, air traffic congestion, and technical problems
  - B) Technological advances
  - C) Airport retail closures
  - D) Road traffic near airports
  
9. Key components of port operations management include:
  - A) Vessel scheduling, cargo handling, storage, and customs clearance
  - B) Airline ticketing
  - C) Pipeline maintenance
  - D) Vehicle registration
  
10. The charter market in shipping is best described as:
  - A) Sale of individual ship seats to passengers
  - B) Renting or leasing entire vessels for specific voyages or durations based on contract
  - C) Transport of livestock only
  - D) Operating taxi fleets

**SUB-TOTAL: 20 MARKS**

**QUESTION 2: SHORT ANSWER QUESTIONS**

**Indicate whether the following statement is True OR False**

**(2X10 = 20 Marks)**

- A. Fixed costs for transport operations remain constant regardless of the volume of goods or passengers transported.
- B. Fuel costs typically represent a significant portion of a transport fleet's variable costs.
- C. Economies of scale in transportation mean that average costs per unit decrease as the volume of goods transported increases.
- D. Overloading a vehicle reduces operating costs per trip but can increase vehicle wear and damage costs.
- E. The concept of break-even analysis in transport helps determine the minimum volume of service required to cover costs.
- F. The International Civil Aviation Organization (ICAO) is an international body created to regulate rail transportation.
- G. Urban transport problems mainly arise when existing transport infrastructure struggles to provide sufficient services for the population.

- H. The International Maritime Organization (IMO) is an international body created to regulate road transportation.
- I. The Namibia Airport Company (NAC) is responsible for regulating air navigation services within Namibia.
- J. Effective traffic management requires establishing and integrating performance measures tailored to regional and local needs, along with engineering systems, standardization, and documentation in the planning process.

**SUB-TOTAL: 20 MARKS**

**SECTION B: STRUCTURED QUESTIONS: ANSWER ANY 3 QUESTIONS.**

**[60 MARKS]**

**QUESTION 3**

**(20 MARKS)**

Discuss the role of transport operations within a multimodal transportation system and explain how effective management of transport operations can enhance overall system efficiency.

**QUESTION 4**

**(20 MARKS)**

Compare and contrast the different types of business ownership applicable to transport enterprises and analyze the key factors influencing the selection of an appropriate ownership structure.

**QUESTION 5**

**(20 MARKS)**

Explain the principles of transport geography and modal competition, illustrating how geographic factors influence the choice between different modes of transport in regional and international contexts.

**QUESTION 6**

**(20 MARKS)**

Analyze the challenges and trends in fleet management and maintenance within the transport sector, including the impact of funding and cost structures on operational sustainability and service quality.

**Sub-total: 60 Marks**

**Grand Total: 100 Marks**

**END OF EXAMINATION PAPER**