



**PAMIBIA UNIVERSITY  
OF SCIENCE AND TECHNOLOGY**

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

**DEPARTMENT OF ECONOMICS, MARKETING, LOGISTICS AND SPORTS MANAGEMENT**

<b>QUALIFICATION: BACHELOR OF TRANSPORT MANAGEMENT</b>	
<b>QUALIFICATION CODE: 07BTRA</b>	<b>LEVEL: 6</b>
<b>COURSE CODE: TOC621S</b>	<b>COURSE NAME: TRANSPORT OPERATIONS AND COSTING</b>
<b>SESSION: JANUARY 2023</b>	<b>PAPER: THEORY</b>
<b>DURATION: 3 HOURS</b>	<b>MARKS: 100</b>

<b>SECOND OPPORTUNITY EXAMINATION PAPER</b>	
<b>EXAMINER(S)</b>	Mr. JACINTO SILVA (FM & PM) Ms. ESTER JESAYA (DI)
<b>MODERATOR:</b>	Ms EMILIA SALOMO

<b>INSTRUCTIONS</b>
1. Answer ALL the questions. 2. Read all the questions carefully before answering. 3. Number the answers clearly

**THIS EXAMINATION PAPER CONSISTS OF 5 PAGES (Including this front page)**

**QUESTION 1: MULTIPLE CHOICE QUESTIONS**

**[30 Marks]**

Choose the correct answer for the below.

1. The following are core principles of transport geography except \_\_\_\_\_?
  - A. Distance is a relative concept involving space, time and effort.
  - B. A location can be a central or an intermediate element of mobility
  - C. Velocity is a modal, intermodal and managerial effort.
  - D. To overcome geography, transportation must consume space.
  - E. None of the mentioned.
  
2. The following are the functions of transport in modern society?
  - A. Economical function
  - B. Social function
  - C. Human resources function
  - D. Environmental function
  
3. Which of the following represents a group of textile traders who wants to join an effort for bargaining power when buying and making up volumes required to export their products to Europe?
  - A. Sole Trader
  - B. Partnership
  - C. Limited Companies
  - D. Co-operatives
  
4. An individual or company that operates the movement of the vehicle and operating crew is known as;
  - A. The Manager
  - B. The Driver
  - C. The Operator
  - D. The Chief
  
5. When you decide to run your business as a sole trader, this means:
  - A. The business is incorporated.
  - B. The business is unincorporated
  - C. The business employs you
  - D. Your business assets are legally separate from your assets
  
6. About a partnership, which of the following is untrue?
  - A. The partnership is formed by incorporation.
  - B. The partnership is a legal person
  - C. The partnership is formed by agreement
  - D. The partnership needs a minimum of 2 persons.
  
7. Which of the following is not an essential object of the Namibian transport policy?
  - A. Charging for infrastructure use
  - B. Producing fewer biofuels
  - C. Making railways more competitive
  - D. None of the mentioned

8. Which of the following is not an element of Maslow's hierarchy of needs?
  - A. Belongingness
  - B. Self-actualisation
  - C. Psychological
  - D. Physiological
  
9. This type of air route system has no network constraints on utilisation.
  - A. Point-point
  - B. Hub-and-spoke
  - C. Linear
  - D. None of the mentioned
  
10. The concept of limited liability in relation to a company means:
  - A. The members are liable to a limited extent for their debts and obligations.
  - B. The company is liable to a limited extent for its debts and obligations.
  - C. When necessary, the company has the right to demand that members contribute further capital.
  - D. If a company enters liquidation before a member has paid for his shares in full, liability to pay them ceases.
  
11. Which of the following constitute the principles of budgeting?
  - A. Management by exception
  - B. Organisational structure
  - C. Zero-based budgets
  - D. All of the mentioned
  
12. Which of the following is not part of the vehicle's fixed cost?
  - A. Insurance premiums
  - B. Registration and vehicle taxes
  - C. License fees
  - D. Purchasing of tyres
  
13. The concept of limited liability in relation to a company means:
  - A. The company is liable to a limited extent for its debts and obligations
  - B. The members are liable to a limited extent for their debts and obligations
  - C. When necessary, the company has the right to demand that members contribute further capita.
  - D. If a company goes into liquidation before a member has paid for his shares in full, liability to pay for them ceases at that point
  
14. Which statements below are incorrect regarding a public and a private limited company?
  - A. The name of a public company must end in "public limited company or 'plc,' while the name of a private company (other than an unlimited company) ends in 'limited' or 'Ltd'.
  - B. A public company must have at least two directors, while a private company only needs one
  - C. A public company has to have a minimum issued share capital of N\$ 50 000, whereas a private company that does not provide it must give at least one share.
  - D. A public company must have its shares listed on the stock exchange, whereas a private does not

15. Gantt chart is mainly used for
- A. Routing
  - B. Scheduling
  - C. Follow up
  - D. Inspection and quality control

**Sub-total: 30 Marks**

**QUESTION 2: TRUE & FALSE QUESTIONS**

**[20 Marks]**

- 2.1. The technical crew is primarily responsible for passenger safety.
- 2.2. The flight schedule seeks to minimise revenues by matching flights and capacity with passenger Demand.
- 2.3. The operation function in a transport organisation structure is responsible for disseminating information about the organisation.
- 2.4. In most developing nations, improving public transportation will not solve the urban Transport problems they experience.
- 2.5. International Civil Aviation Organization (ICAO) is an international organisation established to Regulate the rail transportation mode.
- 2.6. Urban transport problems are encountered mostly when the available transport Infrastructures are challenged in providing adequate services to the populations.
- 2.7. Namibia Airport Company (NAC) is established to regulate the air navigation services in Namibia.
- 2.8. Traffic management can only be effective if the performance measures suitable for regional And local requirements are established and integrated into the planning process to use engineering systems, standardisation, documentation and performance.
- 2.9. There are two classifications of aircraft maintenance, namely offline maintenance and constant Maintenance.
- 2.10. Time charter party pertains to a contract for a particular trip, where a predetermined freight payment is paid to the shipowners per metric ton of cargo.

**Sub-total: 20 Marks**

**QUESTION 3:**

**[50 Marks]**

3.1. An airline can choose among three generic route system architectures that vary in complexity and cost of operation. In the airline industry, selecting a route structure is the basis of an airline's a product/service offering.

In a tabular format, compare and contrast the point-to-point and Hub-and-spoke systems. In your response pay particular attention to, its scope, connectivity, dependence, market size, demand, frequency, pricing, asset utilization, costs of operation, fleet requirement

**[20 Marks]**

3.2. The Road Traffic and Transport Regulations under the Road Traffic and Transport Act, 1999, regulate road transport through the Roads authority and National Road Safety Council (NRSC) created by section 2 of the National Road Safety Act, Act 9 of 1972. Using examples, Narrate how the act adopts three elements to regulate road transport operations in Namibia

**[15 Marks]**

3.3. Port typology is segmented in ownership, structure, and service arrangements. The port selection and decision-making are essential for its competitive edge, productivity, profitability, and regional development. Discuss any three categories of port typology

**[15 Marks]**

**Sub-total: 60 Marks**

**Grand Total: 100 Marks**

**END OF QUESTION PAPER**