



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS**

**2023/2024 ACADEMIC YEAR**

**FOURTH YEAR SECOND SEMESTER**

**SCHOOL OF NATURAL RESOURCES,  
ENVIRONMENTAL STUDIES AND AGRICULTURE**

**BACHELOR OF ARTS IN GEOGRAPHY AND  
GEOSPATIAL TECHNIQUES**

**COURSE CODE: GEO 4265-1**

**COURSE TITLE: TRANSPORT GEOGRAPHY**

**DATE:**

**TIME:**

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**INSTRUCTIONS TO CANDIDATES**

Answer question **ONE** and any other **TWO** questions

**ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS (50 Marks)**

1. Explain the following terms as used in Transport geography:
  - a) Gravity model (3 Marks)
  - b) The concept of elasticity of demand in transportation. (4 Marks)
  - c) The concept of accessibility in transportation planning. (3 Marks)
  - d) State 4 methodologies commonly used to analyze the spatial distribution of transportation infrastructure. (4 Marks)
  - e) Explain 3 key factors to consider when assessing the resilience of physical networks to external shocks or disruptions. (6 Marks)
  
2. With examples, discuss successful multimodal transport projects and initiatives that have improved connectivity, efficiency, and accessibility in urban and rural regions. (15 Marks)
  
3. Discuss the geographical challenges faced by landlocked countries in developing efficient transportation systems. (15 Marks)
  
4. Using examples, discuss the factors that influence the choice of transport mode by consumers in Kenya. (15 Marks)
  
5. Discuss how demographic shifts, such as population growth and urbanization, impact transportation demand and land use patterns? (15 Marks)