



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR  
FOURTH YEAR FIRST SEMESTER**

**SCHOOL OF NATURAL RESOURCE TOURISM  
AND HOSPITALITY  
BACHELOR OF URBAN AND REGIONAL  
PLANNING**

**COURSE CODE: URP 4106**

**COURSE TITLE: TRANSPORTATION AND  
TRAFFIC PLANNING I**

**DATE: 8<sup>TH</sup> APRIL 2022**

**TIME: 0830-1030AM**

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**INSTRUCTIONS TO CANDIDATES**

Answer ALL questions in Section A and any other THREE questions from Section B

**SECTION A: ANSWER ALL QUESTIONS (25 MARKS)**

- 1) Explain the following terms as used in Transportation Planning:
  - a) Mobility
  - b) Transportation planning
  - c) Accessibility
  - d) Trip Distribution
  - e) Modal Split **(5Marks)**
- 2) Using relevant examples, explain three utilities of transportation in Kenya **(6Marks)**
- 3) Explain how transport is related to accessibility. **(5Marks)**
- 4) Highlight 4 street elements of non- motorized Transport. **(4Marks)**
- 5) State the transport planning approaches. **(5Marks)**

**SECTION B: 45 MARKS (ANSWER ANY THREE QUESTIONS)**

- 6) Discuss using relevant illustrations the hierarchy of routes as used in transportation planning. **(15Marks)**
- 7) Discuss using relevant examples, the importance of transport in rural, urban and regional levels of planning. **(15Marks)**
- 8) Discuss the advantages of promoting public transportation in planning and explain measures that can be to implemented to improve public transport in Kenya. **(15Marks)**
- 9) Discuss using an appropriate diagram the impact of land use on transport. **(15Marks)**

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