



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2023/2024 ACADEMIC YEAR**

**SECOND YEAR SECOND SEMESTER**

**SCHOOL OF NATURAL RESOURCE, TOURISM  
AND HOSPITALITY**

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

**COURSE CODE: GEO 2219-1**

**COURSE TITLE: LAND USE PLANNING**

**DATE:**

**TIME:**

**INSTRUCTIONS TO CANDIDATES**

Answer **ALL** questions in section **A** and any other **THREE** in section **B**.

*This paper consists of 2 printed pages. Please turn over*

## **SECTION A: Answer all questions (20mks)**

1. Imagine you are a city planner tasked with revitalizing a neighborhood. With examples explain how you would use zoning ordinances to strategically allocate different zones. **(4mks)**
2. Explain how various permaculture techniques employed contributes to enhancing food security and sustainability, providing specific examples and potential challenges faced in their implementation. **(5mks)**
3. Write short notes on the various types of development plans as outlined in The Physical and Land Use Planning Act, 2019 in Kenya. **(6mks)**
4. Scenario: You are an environmental consultant working with a local government. The city council is considering granting permits for the expansion of an industrial zone near a residential area. The proposed development promises economic growth and job opportunities for the community. However, there are concerns about its potential impact on the environment. Your task is to evaluate the negative consequences of industrial land use and provide recommendations to mitigate them.

Question: List and briefly explain five negative impacts of industrial land use on the environment. **(5mks)**

## **SECTION B: Answer any THREE questions (30mks)**

1. (a) Using relevant examples, discuss the nature of land use conflict between residential settlements and industrial lands and the potential impacts realized from such a conflict dynamic. **(5mks)**  
  
(b). Please describe how you would apply sustainable land use practices to address conflicts arising between residential settlements and industrial lands. **(5mks)**

2. (a). With relevant examples, examine the role of demographic trends in shaping land use dynamics in urban expansion, suburban development, and infrastructure planning.

(b). How best can the planning department adapt to changing population demands to ensure sustainable land use practices? **(10mks)**

3. (a). In separate, discuss the **3** principles of comprehensive planning & smart growth/new urbanism in the context of urban land development. **(5mks)**

(b). Evaluate the effectiveness of each approach in fostering sustainable, inclusive, and resilient communities. Support your arguments with relevant case studies from real-world urban planning practices. **(5mks)**

4. (a). Write short notes on any **TWO (2)** policy, **TWO (1)** legal, and **ONE (1)** institutional framework that are involved in land use planning and management in Kenya. **(5mks)**

(b). Debate on factors affecting compliance with the existing policy, legal and administrative frameworks on Land-Use planning vision and ambitions? **(5mks)**

**END//**