



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR
THIRD YEAR FIRST SEMESTER**

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

COURSE CODE: URP 3127-1

**COURSE TITLE: PLANNING FOR
INFRASTRUCTURE AND
UTILITIES**

DATE: 05/12/2023

TIME: 1430-1630PM

INSTRUCTIONS TO CANDIDATES

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

SECTION A: ANSWER ALL QUESTIONS (20 MARKS)

- 1) Using relevant examples define the following terms according to urban planning:
 - a) Sustainability (3marks)
 - b) Infrastructure (3marks)
- 2) a) Explain 3 key factors that planners should consider when prioritizing infrastructure projects within a community or region. (6marks)
 - b) Highlight how design for parking facilities contribute to environmental sustainability. (2marks)
 - c) Explain how availability and quality of urban infrastructure affect the rate and pattern of urbanization in different regions of the world. (6marks)

SECTION B: ANSWER ANY THREE QUESTIONS (30 MARKS)

- 3) Using relevant examples, explain 5 push factors of urbanization in Kenya. (10marks)
- 4) Discuss the key factors that urban planners must consider when planning and maintaining for water supply services to meet the evolving needs of rapidly growing cities. (10marks)
- 5) By use of relevant examples, analyze the challenges associated with providing clean and accessible water and sanitation services to urban and rural populations. (10marks)
- 6) Discuss the various models of Public Private Partnerships (PPPs), including Build-Operate-Transfer (BOT), Build-Own-Operate-Transfer (BOOT), and concession agreements. What are the differences between these models, and when is each most appropriate? (10marks)

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