



# **MAASAI MARA UNIVERSITY**

**SUPPLEMENTARY/SPECIAL UNIVERSITY  
EXAMINATIONS**

**2023/2024 ACADEMIC YEAR  
SECOND YEAR FIRST SEMESTER**

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

**BACHELOR OF SCIENCE IN BIOLOGY AND  
HEALTH**

**COURSE CODE: ENS 2104  
COURSE TITLE: SUSTAINABLE  
DEVELOPEMENT**

**DATE: 14/12/2023**

**TIME: 1100-1300 HRS**

**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**

**(25MKS)**

- 1) a) Briefly explain operational principles for sustainable development  
(5mks).
- b) Outline the significance of Johannesburg summit and give 3 outcome of the same. (4mks)
- c) Briefly explain events of 1972 and 1992 in the history of sustainable development. (6mks)
- d) State and explain the significance of the first three (3) sustainable Development goals in the Kenyan context. (6mks)
- e) Clearly differentiate between Weak and Strong sustainability. state your position to either as a student of environmental studies. (4mks).

**SECTION B: ANSWER ANY THREE QUESTIONS**

**(45MKS)**

- 2) Suppose you are the Cabinet Secretary for Devolution and Planning, explain how you would ensure achievement of SDG 6: Water and Sanitation and SDG 13 Climate Action in Kenya. (15mks)
- 3) Discuss the economic pillar of sustainable development and show its relationship to the environment pillar. (15mks)
- 4) Suppose you are the Narok County Governor and you are required to write to the Controller of budgets explaining your areas of priority to development across the county. Discuss the reasons justifying your priority areas. (15mks)
- 5) Discuss the relevance of sustainable livelihood approach to social status of a given population. (15mks)

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