



FOURTH YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF
BACHELOR OF ARTS IN GEOGRAPHY
SECOND SEMESTER 2023/2024
[JAN – APRIL, 2024]

GEOG 416: ENVIRONMENTAL IMPACT STUDIES

STREAM: Y4 S2

TIME: 2 HOURS

DAY: FRIDAY, 3:00 - 5:00 P.M.

DATE: 19/04/2024

INSTRUCTIONS

- 1. Do not write anything on this question paper.**
- 2. Answer question ONE (Compulsory) and any other TWO questions.**

1 a) Write brief notes on the following terms

- i) Environmental Management (4 marks)
- ii) Visual environmental Impact (4 marks)
- iii) Geographical information Systems (4 marks)

b) Explain the need for environmental conservation and Management in Kenya (8 marks)

c) The government of Kenya is carrying out an environmental impact assessment of a highway project to open the northern corridor. Outline the challenges that are likely to be experienced in the process (6 marks)

d) Highlight the limitations of Geographical Information Systems as a tool used in environmental impact assessment (4 marks)

2 a) Evaluate the importance of environmental principles (10 marks)

b) Outline the reasons for carrying out impact analysis (10 marks)

3 a) Describe the process undertaken in impact assessment (10 marks)

- b) Illustrate the techniques / methodology used in predicting impacts on a landscape before the start of a planned project (10 marks)
- 4 a) Although a quality landscape is difficult and quantify, people do value the appearance of areas that impress them. Discuss this statement in the light of the challenges associated with Impact assessment techniques (10 marks)
- b) Account for the merits and demerits of the matrix method as a tool for impact identification (10 marks)
- 5 Discuss the scope, functions and challenges facing the National Environment Management Authority (NEMA) in Kenya in addressing environmental challenges. (20 marks)