



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR
FOURTH YEAR SECOND SEMESTER**

**SCHOOL OF TOURISM AND NATURAL
RESOURCES MANAGEMENT
BACHELOR OF ARTS (GEOGRAPHY)**

COURSE CODE: GEO 413

**COURSE TITLE: ENVIRONMENTAL IMPACT
ASSESSMENT AND AUDIT**

DATE: 26TH APRIL, 2018

TIME: 0830 - 1030HRS

INSTRUCTIONS TO CANDIDATES

- Answer question ONE and any Other TWO questions
- Use illustrations where appropriate

SECTION A: ANSWER ALL QUESTIONS (30 MARKS)

1. Write short notes on:
 - a) Consumption & pollution audit. [2marks]
 - b) Matrices method of impact assessment [2 marks]
 - c) Pre and post audit activities [2marks]

2. Describe and explain why the following steps are needed as part of the EIA process
 - a. Screening [3 marks]
 - b. Scoping [3marks]
 - c. Mitigation [3marks]
 - d. Environmental management plan [3 marks]
 - e. EIA report/ Statement [2 marks]

3. Explain the role of the following in EIA process
 - a. Public participation [2 marks]
 - b. Project proponent [2marks]
 - c. NEMA [2 marks]
 - d. Interviews [2 marks]
 - e. EIA experts [2 marks]

SECTION B (40 MARKS- CHOOSE AND ANSWER TWO QUESTION ONLY)

4. Attempt the following:
 - a) Describe the impact of sugar industry on ecology as well as socio- environmental aspects. [6 marks]
 - b) Which are the treatment & disposal options considered, in an environmental audit? [7 marks]
 - c) Explain the significance of audit and describe methodology for an environmental audit. [7 marks]

5. Provide a brief description of the legal framework that guides environmental assessment expert in Kenya whether EIA is required for a particular development. [20 marks]

6. A cement factory is proposed to be set up in West Pokot in the Rift Valley and you have been appointed to lead a team to conduct an Environmental Impact Assessment Study for the proposed project,
 - (a) List the key stakeholders who would be consulted when conducting the EIA for the proposed project [6 marks]
 - (b) Briefly discuss some of the critical impacts that would be associated with the proposed project in (a) above [7 marks]
 - (c) Generate a suitable impact management plan to mitigate the impacts emanating from the implementation of the project proponent [7 marks]

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