



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS
2020/2021 ACADEMIC YEAR
FOURTH YEAR SECOND SEMESTER**

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

**BACHELOR OF ENVIRONMENTAL STUDIES
(BIOLOGY AND HEALTH)**

COURSE CODE: EBH 4238

**COURSE TITLE: TECHNIQUES FOR ASSESSING
ENVIRONMENTAL IMPACTS**

DATE: 08TH OCTOBER, 2021

TIME: 14:30-16:30 HOURS

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 – 25 MARKS

1. Briefly explain the following terms as used in Environmental Impact Assessment
 - a. Strategic Impact Assessments **(2 marks)**
 - b. Social Impact Assessments **(2 marks)**
 - c. Health Impact Assessments **(2 marks)**
2. Briefly describe at least two tools that can be used for impact identification in an Environmental Impact Assessment process **(4 marks)**
3. Give the advantage of scaling checklist method over simple and descriptive checklist method. **(2 marks)**
4. Explain how Strategic Environmental Assessment (SEA) compares to or differs from Environmental Impact Assessment (EIA) **(4 marks)**
5. What do you understand by Environmental Auditing **(5marks)**
6. Explain any two key entry points for environmental health in the Strategic Environmental Assessment (SEA) process **(4 marks)**

SECTION B – 45 MARKS

7. Discuss the history of environmental impact assessment including the beginning/evolution of the system, efforts of international organizations and development assistance agencies **(15 marks)**
8. Using an appropriate example of a proposed development project, explain the procedure of carrying out environmental impact assessment **(15 marks)**
9. Outline the provisions for public participation in the EIA process in Kenya as outlined in the NEMA guidelines provided and critically evaluate whether they enable constructive engagement by a wide range of stakeholders **(15 marks)**
10. Describe in detail the possible strategies in of mitigating the unacceptable health impacts of development projects **(15 marks)**
11. What according to you, is the most critical environmental health issue in Kenya today which should be addressed by Environmental Impacts Assessments? In your answer **(15 marks)**
 - a. Identify the issue and explain why you believe it is a problem.
 - b. Explain why this problem is the most pressing issue.

- c. Describe steps that should be taken by environmental health professionals to address this problem.
- d. Give suggestions for correcting or limiting the problem.

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