

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATION
RESIT/SUPPLEMENTARY / SPECIAL EXAMINATIONS
EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
ENVIRONMENTAL SCIENCE**

ENSC 405/359: ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

STREAMS: BSC. ECOT Y4S2, BSC ENSC Y4S2

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 11/08/2021

11.30 A.M - 1.30 P.M.

INSTRUCTIONS:

- **Answer All Questions in Section A and Any Other Two in Section B**
- **Do not write anything on the question paper.**

SECTION A: (30 MARKS)

1. Define total environmental components (4 marks)
2. Outline six objectives of environmental and social impact assessment (6 marks)
3. Describe the elements of impact management (6 marks)
4. Discuss matrices as an ESIA technique (4 marks)
5. Outline the applicable institutional and legal framework in administering ESIA. (4 marks)
6. Briefly discuss the key follow up activities you would undertake during project operation. (6 marks)

Section B: 40 marks

- 7a. Stakeholders involvement is key to success of an EIA process' Discuss. (10 marks)
- 7b. Discuss ecological and social impacts of establishing an ecolodge in TharakaNithi County (10 marks)
8. As an ESIA expert you have been assigned to carry out an Environmental and Social Impact Assessment (ESIA) study for Turkana Oil Mining. Discuss the likely impacts and their mitigation (20 marks)
9. a. Discuss the contents of an environmental impact assessment report or statement (12 marks)

b. Discuss factors to consider when writing the report.

(8 marks)

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