

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF SCIENCE IN NATURAL RESOURCE AND WILDLIFE
MANAGEMENT**

ENSC 359: ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT

STREAMS: BSC (NARE) Y4S2

TIME: 2 HOURS

DAY/DATE: TUESDAY 14/04/2020

11.30 AM – 1.30 PM

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. Explain the purpose of environmental and Social Impact Assessment (ESIA). [3 marks]
2. Explain the role of National Environment Management Authority on ESIA administration. [5 marks]
3. List the key criteria for case by case screening that may necessitate the need for ESIA. [5 marks]
4. Briefly outline any five outcomes of scoping. [5 marks]
5. Briefly discuss the impact analysis in ESIA. [6 marks]
6. Compare and contrast network analysis and checklists as ESIA techniques. [6 marks]

SECTION B (40 MARKS)

7. (a) Discuss the environmental impacts of urban sprawl. [12 marks]

- (b) Discuss the contents of Environmental Improvement plan of the sprawl. [8 marks]
8. (a) Discuss follow up methods during project implementation and show their purpose. [10 marks]
- (b) Explain contents of terms of reference for an Environmental Audit study. [10 marks]
9. Discuss the conventional industrial systems and their management implications for sustainable environmental management. [20 marks]
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