



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCES WITH
INFORMATION TECHNOLOGY**

MAIN CAMPUS

NES 410: ENVIRONMENTAL IMPACT ASSESSMENT

Date: 7th January, 2016

Time: 11.00 - 1.00pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO questions.
- Question ONE carries 30 marks while the other questions carry 20 marks each.
- Illustrate your answers where necessary. Each question must be answered on a new page
- Must write legibly.



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1. (a) Explain the concept and objectives of Environmental Impact Assessment (EIA) in developing countries. Give examples. [15 Marks]
(b) Write short notes on:
 - i. Mitigation [5 Marks]
 - ii. Ad hoc methods [5 Marks]
 - iii. Scaling-Weighting technique [5 Marks]
 2. Describe the procedures for establishing whether or not EIA is required ('screening'). [20 Marks]
 3. Discuss the challenges of EIA system and practice in Kenya. [20 Marks]
 4. Explain the main differences between EIA and Strategic Environmental Assessment (SEA). [20 Marks]
 5. (a) Explain what is meant by the 'no action' alternative. [8 Marks]
(b) Should all EIAs consider the 'no action' alternative? Why or why not? [12 Marks]
 6. Discuss the purpose to and general approach to the development of Environmental Management Plans (EMPs) [20 Marks]