



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2016/2017

**THIRD YEAR FIRST SEMESTER EXAMINATION FOR DEGREE
OF BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE
WITH INFORMATION TECHNOLOGY**

MAIN CAMPUS

**NES 301: INDIGENOUS KNOWLEDGE SYSTEMS AND
ENVIRONMENT**

Date: 28th November, 2016

Time: 12.00 - 3.00pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO.



1. (a) Outline 6 characteristics of Indigenous Knowledge Systems. (6 marks)
(b) Explain the important values that must be considered in technological designs and applications. (14 marks)
(c) Briefly, explain the factors of Indigenous Knowledge Systems that are critical in Solid Waste Management. (10 marks)
2. Discuss the strategies that the Kenyan Government can initiate to successfully protect local creative property rights among its Citizens. (20 marks)
3. With the aid of relevant examples, explain the role that farmer-based innovations can play in addressing food insecurity among resource-poor farmers in developing Countries. (20 marks)
4. Explain how modern technology can be applied in energy conservation at the household level in comparison to traditional technology. (20 marks)
5. (a) Discuss the three main areas of technological policies in Kenya. (12 marks)

(b) "Users must be choosers." Explain the meaning of this statement in the context of Appropriate Technology. (8 marks)