



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018

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

MAIN CAMPUS

NES 301: INDIGENOUS KNOWLEDGE SYSTEMS AND ENVIRONMENT

Date: 12th February, 2018

Time: 12.00 - 3.00pm

INSTRUCTIONS:

- Answer Question ONE and any other TWO.



1. (a) Briefly, explain five characteristics of indigenous knowledge systems. (10 marks)
 - (b) Explain three main areas of technological policies in Kenya. (9 marks)
 - (c) Briefly, explain the role that modern technology can play in human Population control. (5 marks)
 - (d) Outline the three phases of environmental biotechnology. (6 marks)
2. Using examples, explain five characteristics of appropriate technology. (20 marks)
3. (a) Explain the trinity of tools that were used to approach resource utilization in traditional communities. (12 marks)
 - (b) Write short notes on 'waste as a resource', in the context of indigenous systems. (8 marks)
4. Explain FOUR farm-based innovations that resource poor farmers in developing countries can adopt to improve their subsistence food production. (20 marks)