



MASENO UNIVERSITY
UNIVERSITY EXAMINATIONS 2015/2016

SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL
SCIENCE AND BACHELOR OF SCIENCE IN GEOGRAPHY &
NATURAL RESOURCES MANAGEMENT WITH INFORMATION
TECHNOLOGY

MAIN CAMPUS

NES 207: FORESTRY AND FORESTS MANAGEMENT

Date: 21st April, 2016

Time: 8.30 - 10.30 am

INSTRUCTIONS:

- Answer question ONE and any other TWO questions.



1. (a) Write explanatory notes on:
- (i) Ecological consequences of deforestation. (7mks)
 - (ii) Establishments of a tree nursery. (9mks)
- (b) Discuss the prevailing challenges, issues and threats facing forest management in Kenya. (15mks)
2. (a) Give an account on the role of forests measurements in forest management. (8mks)
- (b) Describe appropriate measurement techniques often used in appraising forest stands. (12mks)
3. Critically examine forest management methods that would cater for various users and interests groups in the sector. (20mks)
4. (a) Give reasons for studying forest diseases. (5mks)
- (b) Describe the abiotic and biotic type of forest diseases. (8mks)
- (c) Giving examples outline the characteristics of fungi. (7mks)
5. (a) Compare characteristics of plantation stands with indigenous forests. (8mks)
- (b) Explain how policy, utilization and regulatory measures may be employed to improve forest development in Kenya. (14mks)
6. (a) Explain the benefits of forest fires in forest management. (6marks)
- (b) Discuss the importance of forest insects in forest development. (14mks)

