



MASEÑO UNIVERSITY
UNIVERSITY EXAMINATIONS 2013/2014

**SECOND YEAR SECOND SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE IN ENVIRONMENTAL
SCIENCE WITH INFORMATION TECHNOLOGY**

(MAIN CAMPUS)

NES 207: FORESTRY AND FOREST MANAGEMENT

Date: 3rd April, 2014

Time: 8.30 – 1045am

INSTRUCTIONS:

- Answer QUESTION ONE and any other TWO questions.

1. (a) Write explanatory notes on:
 - (i) the reasons for studying forest diseases. (4mks)
 - (ii) environmental physiology of tree growth. (6mks)
 - (iii) forest management, planning and administration. (6mks)
- (b) Explain the importance of taking forest measurements. (8marks)
- (c) Elaborate on the principles of forest development in Kenya. (6mks)

2. Discuss plausible solutions to the prevailing challenges in forest managements in Kenya. (20mks)

3. (a) Explain the process of establishing a tree nursery. (12mks)
- (b) Examine the issues of concern in tree nursery management. (8mks)

4. (a) Discuss the conflicts prevalent among the various users of forest resources. (14mks)
- (b) Suggest solutions to such issues in {4. (a)} above. (6mks)

5. (a) Write briefly on the impact of insect & pests on forests trees. (12mks)
- (b) Summarise the methods of controlling forest insect & pests. (8mks)

6. (a) Discuss the consequences of deforestation. (12mks)
- (b) Explain mitigation measures to the above consequences in 6. (a). (8mks)

