

UNIVERSITY EXAMINATIONS 2012/2013

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: 18th July, 2013

Time: 8.30 - 10.30 a.m.

INSTRUCTIONS:

Answer Question ONE and any other TWO questions.

(a) Differentiate between release cuttings and thinning as u silvicultural practices.	sed in (4mks)
(b) Describe how you would use Smalian's formula to determined a sawlog.	ine the volume (4mks)
(c) (i) Explain the reasons for studying forest diseases. (ii) Explain the benefits of forest fires in forest management.	(8mks) (6mks)
(d) Explain the ecological importance of forests.	(8mks)
(a) Give an exemplary account on the importance of taking inventory in forest management.	forest (8mks)
(b) Critically examine silvicultural practices that would ensure forest cover.	38.3579038
(a) (i) Contrast pure stands with mixed stands. (ii) Describe the formation of uneven-aged stands.	(6mks) (6mks)
(b) Write about the beneficial effects of insects in forest ecosys	stem. (8mks)
4. Write exhaustively about forests management for multiple uses. (20mks)	
5. (a) Discuss the consequences of deforestation.	(12mks)
(b) Suggest policy measures that may enhance sustainable fore	stry. (8mks)
(a) (i) Distinguish between sustained yield and normal forest (ii) Explain the principles behind forest development in Kenya	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(b) Propose solutions to the different kind of conflicts between of forest resources.	various users (10mks)