



UNIVERSITY OF KABIANGA
UNIVERSITY EXAMINATIONS

2015/2016 ACADEMIC YEAR

THIRD YEAR SECOND SEMESTER EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRO-FORESTRY AND RURAL DEVELOPMENT

COURSE CODE: FOR 326

COURSE TITLE: FOREST MANAGEMENT

DATE: 13TH APRIL, 2016

TIME: 9.00 A.M-12 NOON

INSTRUCTIONS:

ANSWER ALL QUESTIONS IN SECTION A AND ANY OTHER TWO QUESTIONS IN SECTION B.

SECTION A: (30 marks)

1. Outline the scope of Forest Management as a branch of forestry. (5 marks)
2. Explain the following terms: (5 marks)
 - a) Management plan
 - b) Annual work programme
 - c) Calendar of events
 - d) Compartment register
 - e) Allowable cut
3. Explain how forest enterprises differ from other enterprises. (5 marks)
4. Briefly explain the concept of progressive yield. (5 marks)
5. Define the following terms: (5 marks)
 - a) Combustion
 - b) Ignition
 - c) Fire intensity

- d) Fire danger rating
 - e) Fire spread
6. Discuss the physical and economic factors that determine the length of rotation in forestry. (5 marks)

SECTION B: (40 marks)

7. a) Explain the following as used in forest organization;
- i. Working circle. (5 marks)
 - ii. Felling series. (5 marks)
- b) Discuss the principle of maximum sustained yield. (10 marks)
8. a) State fire pre-suppression activities. (5 marks)
- b) Discuss the steps and methods of fire suppression. (15 marks)
9. a) Briefly explain the term “yield regulation,” and state its objectives. (10 marks)
- b) Explain the meaning and the purpose of the concept of normal forest and state the factors of normality. (10 marks)