



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

THIRD YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE MANAGEMENT)

ENS 246: FOREST RESOURCE MANAGEMENT

DATE: 26/11/2020

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain the following Concepts
 - i. Forest Products. (2 marks)
 - ii. Forest Fauna (2 marks)
- b) Differentiate the following
 - i. Forest and Forestry. (4 marks)
 - ii. Forest Regeneration and growth rates. (4 marks)
 - iii. Indigenous forests and Exotic forests Plantations. (4 marks)
- c) Discuss some of the factors that are responsible for forest degradation in Kenya. (14 marks)

QUESTION TWO (20 MARKS)

Describe Tropical Rain Forest in terms of its Composition and climatic conditions.

QUESTION THREE (20 MARKS)

Critically, examine the efforts the government of Kenya is putting up towards the restoration of Mau Water Tower.

QUESTION FOUR (20 MARKS)

Describe the Principles of Forest Management as applied by Kenya's forestry department

QUESTION FIVE (20 MARKS)

- a) Identify and briefly explain the characteristics of each of the Forest classifications. (10 marks)
- b) From the above Question highlight some of the Functions of each class of forest. (10 marks)