



MACHAKOS UNIVERSITY

University Examinations For 2018/2019 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

SECOND YEAR FIRST SEMESTER EXAMINATION FOR

**BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCES
CONSERVATION)**

ENS 246: FOREST RESOURCES MANAGEMENT

DATE: 3/5/2019

TIME: 8:30 – 10:30 AM

INSTRUCTIONS: Answer Question One and Any Other Two

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Differentiate between the following terms:
 - i) Temperate and Taiga Forests (2 marks)
 - ii) Plantation and Indigenous forests (2 marks)
 - iii) Natural and artificial regeneration (2 marks)
- b) i) Giving relevant examples in the world, describe tropical forests (4 marks)
 - ii) Explain TWO types of Forests that are found in Kenya (4 marks)
- c) Discuss five common uses of forests to human beings (5 marks)
- d) Describe three principles that guide growth and development of tropical Forests. (6 marks)
- e) Explain the role of community participation in forest management according to the Kenya Forest conservation and Management Act 2016 (5 marks)

QUESTION TWO (20 MARKS)

Discuss the causes of forest degradation in Kenya and mitigation measures to curb degradation

QUESTION THREE (20 MARKS)

Discuss the importance of management plans in Forest Management in Kenya

QUESTION FOUR (20 MARKS)

Using specific examples, explain the socio cultural, economic and ecological values of Arabuko Sokoke Forest in Kilifi County

QUESTION FIVE (20 MARKS)

Assume you have been employed as a Forest Station Manager in charge of a Forest block in your County; Naming the forest in question, explain how you will manage the forest to ensure that it meets the needs of the present and future generation