



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)

ERC 309: URBAN FOREST

DATE: 12/11/2020

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain the following: -
 - i. Urban forestry (2 marks)
 - ii. Urban Forest Resources (2 marks)
 - iii. Urban Forest Functions (2 marks)
- b) Discuss the propagation techniques used in urban forest management (10 marks)
- c) Explain the Silviculture of urban Forestry (6 marks)
- d) Discuss Urban forestry amenity Planning Approaches (8 marks)

QUESTION TWO (20 MARKS)

Discuss the significance of urban forestry in Kenya.

QUESTION THREE (20 MARKS)

Discuss some of the threats to urban biodiversity and recommend the necessary mitigating factors.

QUESTION FOUR (20 MARKS)

Discuss the policy, institutional and legal frameworks that are used in the protection of urban forests in Kenya.

QUESTION FIVE (20 MARKS)

Discuss the impacts of climate change on urban forest resources in Kenya.