



MACHAKOS UNIVERSITY

University Examinations for 2018/2019

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCE MANAGEMENT

**THIRD YEAR SUPPLEMENTARY EXAMINATION FOR
BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)
ERC 309: URBAN FORESTRY**

DATE:

TIME:

INSTRUCTIONS: Answer Question One and Any Other Two Questions.

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Discuss the importance of carrying out an inventory of urban forests (5 marks)
- b) Briefly explain the role of urban forestry in urban heat island amelioration (5 marks)
- c) Discuss the environment of urban forest in terms of space and soils (5 marks)
- d) Outline the historical development of urban forestry (5 marks)
- e) Explain the impacts of increased urbanization on urban forest establishment (10 marks)

QUESTION TWO (20 MARKS)

Discuss the necessity for tree growth enhancement in urban areas

QUESTION THREE (20 MARKS)

Discuss challenges of urban forests management and suggest appropriate interventions

QUESTION FOUR (20 MARKS)

Discuss the relevant urban tree ordinances and their significance in urban forest management

QUESTION FIVE (20 MARKS)

Give a detailed account of the environmental benefits and costs associated with establishing an urban forest.