



MACHAKOS UNIVERSITY

University Examinations For 2018/2019 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

**THIRD YEAR SECOND SEMESTER EXAMINATION FOR
BACHELOR OF ENVIRONMENTAL RESOURCE CONSERVATION
ERC 309: URBAN FORESTRY**

DATE:

TIME:

INSTRUCTIONS: Answer question ONE and TWO other questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Explain the advantages and disadvantages of trees in urban setting (10 marks)
- b) Explain the concept of urban forestry and outline the historical development of urban forest. (10 marks)
- c) Discuss the role of trees in Land sewerage disposal (5 marks)
- d) Explain regulations and ordinances that govern urban forest (5 marks)

QUESTION TWO (20 MARKS)

- a) Discuss five factors that determine the species composition of an urban forest. (10 marks)
- b) Explain the importance of tree pruning and growth enhancement in urban forest. (10marks)

QUESTION THREE (20 MARKS)

Critically evaluate threats facing Kenya's urban forests

QUESTION FOUR (20 MARKS)

Discuss the influence of space and soils on urban forest

QUESTION FIVE (20 MARKS)

Explain the reasons for conducting urban forest inventory for Machakos Town