



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCES CONSERVATION)

ERC 304: AGROFORESTRY SYSTEM AND PRACTICES

DATE: 22/1/2021

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain agro-forestry practice in Kenya (5 marks)
- b) Explain the key features that differentiates Social forestry from Community forestry (5 marks)
- c) Discuss the principle benefits and costs of agro-forestry (10 marks)
- d) With examples identify the qualities of tree species that are of importance for an agroforestry project (10 marks)

QUESTION TWO (20 MARKS)

Discuss the role of agro-forestry in the conservation of Kenya's biodiversity

QUESTION THREE (20 MARKS)

You have been posted in Machakos County as an environmental conservation officer. Explain the agro-forestry technologies you could recommend to the farmers

QUESTION FOUR (20 MARKS)

Discuss the sequence of steps for designing and successful introduction of agro-forestry technologies

QUESTION FIVE (20 MARKS)

Discuss the challenges faced by small scale agro-forestry farmers in arid and semi-arid (ASALs) regions of East Africa