

**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2020/2021**

**THIRD YEAR SUPPLEMENTARY/SPECIAL EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN WATER AND ENVIRONMENT MANAGEMENT**

**ASE 2511: AGRO FORESTRY AND WOODLAND MANAGEMENT**

**DATE: FEBRUARY 2021 TIME: 2 HOURS**

INSTRUCTIONS: ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS

**QUESTION ONE: 30 MARKS**

a. Name five pest and five diseases of trees in Kenya. (5 marks)

b. Define the following terms:-

 i. Thinning (1 mark)

 ii. Coppicing (1 mark)

 iii. Pollarding (1 mark)

 iv. Silvi-culthre (1 mark)

 v. Shrubs (1 mark)

c. Briefly describe methods of tree propagation. (5 marks)

d. Give a brief account of agro forestry in Kenya. (5 marks)

e. Name five agro forestry tree species in Kenya and their uses. (5 marks)

f. List five pieces of legislation in Kenya that are related to forestry.

(5 marks)

**QUESTION TWO: 20 MARKS**

Discuss agro forestry practices in Kenya.

**QUESTION THREE: 20 MARKS**

Discuss forest products and services.

**QUESTION FOUR: 20 MARKS**

Discuss types of forests.