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University Examinations 2024/2025

THIRD YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN AGRICULTURE.

AAA 3301: PERENNIAL CROPS PRODUCTION

DATE: DECEMBER 2024

TIME: 2 HOURS

INSTRUCTIONS:

1. Answer Question ONE, and any other TWO

QUESTION ONE (30 MARKS)

- a) Differentiate maintenance pruning from rehabilitation pruning as applied in tea production (6marks)
- b) Tillering is a very important stage in sugar cane farming. Explain the various management practices that farmers need to put in place in order to encourage tillering. (6 marks)
- c) Discuss the various management practices that farmers can employ to control Armillaria root rot disease in organic tea farms. (3 marks)
- d) Explain the procedure of preparing coffee planting holes. (5 marks)
- e) Outline any four maturity indices used in avocado pear production. (4 marks)
- f) Nursery management determines the number of seedlings obtained for transplanting. Explain the various management practices that tea farmers can embrace to increase the number of transplant tea seedlings. (6 marks)

QUESTION TWO (20 MARKS)

- a) Explain the various farm management practices that should be employed to improve the quality of made tea. (16 marks)
- b) Explain the reasons that make weeds a major challenge in tea farms. (4 marks)



QUESTION THREE (20 MARKS)

- a) Putting quality in mind, explain all the factory operations for tea production. (18 marks)
- b) Explain the various management practices employed for controlling coffee berry disease. (2 marks)

QUESTION FOUR (20 MARKS)

- a) Tea farmers are advised to control weeds effectively in their farms. Explain the various tea weed management practices recommended at various stages. (10 marks)
- b) What is seed treatment as applied in sugarcane farming? (7 marks)
- c) Fruit flies are a major threat in avocado pear farming. Explain the various management practices farmers can employ to control them (3 marks)

