



UNIVERSITY OF RUHUNA
FACULTY OF AGRICULTURE

Second Examination in BSc Agricultural Resource Management and Technology/ Agribusiness
Management (Part II) – August/ September 2023

CS 22201 Management of Spices and Beverage Crops (Compulsory)

Theory

INSTRUCTIONS

Answer only Four (4) questions including question number One (1)

Mobile phones are NOT permitted.

Attach the question paper to the **end** of the answer script

TIME: 2 1/2 (Two and half) Hours

INDEX NUMBER

1. a) How do you establish and manage a poly bag nursery of cinnamon in the Faculty premises? (20 marks)

b) Explain steps involved in establishing rapid multiplication technique of pepper in the Faculty farm? (20 marks)

c) Describe the steps that you have followed in filling the vacancies in pepper cultivation at the Faculty premises (20 marks)

d) “Standard specifications and value addition are important to enhance the competitiveness of Sri Lankan spices in the world market”

Comment on the statement with appropriate examples (40 marks)

2). a) Explain crop establishment and management of betel for high leaf yield
(30 marks)

b) "Ecological factors and management practices play a vital role in triggering the growth and boosting the yield of cardamom."

Discuss the statement (30 marks)

c) Indicate constraints associated with spices and beverage crop sector in Sri Lanka. What are your suggestions to overcome them? (40 marks)

3). a) Explain the steps involved in processing of following three (03) crops
(60 marks)

i) Vanilla

ii) Cocoa

iii) Coffee

b) Discuss the factors affecting high yield of coffee (40 marks)

4). a) Natural vanilla has a growing demand in the world market. Briefly explain the important steps in field establishment and management of vanilla for high quality yield (35 marks)

b) How do you maintain a cinnamon plantation to ensure sustainable yield? (25 marks)

c) Critically analyze the current status and future prospects of spices and beverage crops sector in Sri Lanka (40 marks)

5) a) Explain briefly the ecological factors and management practices that affect the yield of following crops: (60 marks)

i) Pepper

ii) Nutmeg

b) "Spice and beverage crop sector plays a vital role in Sri Lankan economy"

Giving examples briefly discuss the statement (40 marks)

6) Write short notes on **four (04)** of the following: (100 marks)

a) Harvesting and oil extraction of lemongrass

b) Economic importance of Kitul and Garcinia

c) Processing of nutmeg and clove

d) Planting and management of arecanut

e) Mother plant selection and nursery management of clove