



The Open University of Sri Lanka

Faculty of Engineering Technology

Department of Agricultural & Plantation Engineering

Study Programme : Bachelor of Industrial Studies
Honours (Agriculture) Degree Programme
Name of the Examination : Final Examination
Course Code and Title : AGX5376 Crop Processing
Academic Year : 2023/2024
Date : 05th March 2025
Time : 09.30 - 12.30 hrs
Duration : 3 hours

Index No. -----

SECTION 2: Answer any four (04) questions.

1. a) Briefly explain the role of fermentation in tea processing and how it influences flavour and colour.
(5 mark)

b) Describe the main steps involved in the processing of black tea.
(20 marks)
2. a) Describe the constraints of rubber industry in Sri Lanka.
(10 mark)

b) Briefly describe the manufacturing process of Ribbed Smoked Sheets (RSS)
(15 marks)
3. a) Discuss the importance of proper storage in preventing quality deterioration of processed spices.
(10 marks)

b) How does value addition enhance the marketability of spices? Discuss it using suitable examples.
(15 marks)

4. a) What factors influence the yield and quality of rice during the paddy processing stages? Briefly explain
(10 marks)
- b) Explain the difference between raw rice and parboiled rice in terms of processing and nutritional value.
(15 marks)
5. a) Discuss different methods of coconut oil extraction in our country
(5 marks)
- b) Discuss different types of production of coconut related products in Sri Lanka.
(20 marks)
6. Write short notes on following **three (3)** topics.
(25 marks)
- i) Anticoagulant for rubber production
 - ii) Importance of implementing standards grades of tea.
 - iii) Sweat box fermentation of coca
 - iv) Equilibrium Moisture Content
 - v) Waste management in crop processing



SI METRIC PSYCHROMETRIC CHART

BASED ON A BAROMETRIC PRESSURE
of 101.325 kPa
AT SEA LEVEL

FORM NUMBER 1-43 17-200 1981

