

The Open University of Sri Lanka
 Faculty of Engineering Technology
 Department of Agricultural & Plantation Engineering



Study Programme	: Bachelor of Industrial Studies Honours (Agriculture)
Name of the Examination	: Final Examination
Course Code and Title	: AGI5544/AEI5244 Post Harvest Biology and Technology II
Academic Year	: 2019/2020
Date	: 04 th October 2020
Time	: 13.30-16.30hrs
Duration	: 3 hours Duration

SECTION 2: Answer any four (04) questions from section2.

1. Explain how post-harvest technologies could help to ensure food security when there is a pandemic like COVID19.
(25 marks)
2. (a) List **five (05)** packaging materials and give example for each perishable that can be packed.
(10 marks)
(b) Discuss the importance of packaging of fresh produce.
(15 marks).
3. (a) Briefly explain the basic considerations of Good Agricultural Practices (GAP) certification.
(15 marks)
(b) List **five (05)** market information that will be required in marketing perishables.
(10 marks)
4. Differentiate followings
 - a) Use of Reefer vessels vs reefer containers in sea transportation.
(12.5 marks)
 - b) Controlled atmospheric storage (CA) vs modified atmosphere packaging (MAP).
(12.5 marks)

5. Write short notes on any **two (02)** of the following topics. (Each question carries 12.5 marks).

- a) Cold chain transportation of perishables
- b) Demand for dried foods
- c) Role of Sri Lanka Accreditation Board

6. "Obtaining ISO certification or Sri Lanka Standard (SLS) on product and production process is important for a company to market products at local and export markets". Critically discuss the above statement. (25 marks)