

Open University of Sri Lanka
 Faculty of Engineering Technology
 Department of Agricultural and Plantation Engineering



Study Programme : Bachelor of Industrial Studies Honours
 (Agriculture)
 Name of the Examination: Final Examination
**Course Code and Title : AGI4561 Postharvest Biology and
 Technology**
 Academic Year : 2023/2024
 Date : 02 March 2025

Section 11

(There are two parts in all 6 questions. In all questions part (i) carries 05 marks and part (ii) carries 20 marks)

1. (i). Define the two terms “perishables” and “durables” with the help of your knowledge on postharvest biology and technology.
 (ii). Describe **five (05)** socio economic importance of minimization of postharvest losses in a country.
2. (i). What is meant by postharvest disease?
 (ii). Describe **five (05)** measures that can be taken to prevent and control postharvest diseases in Sri Lanka.
3. (i). Explain the need of transportation of fruits and vegetables in Sri Lanka?
 (ii). Describe **five (05)** malpractices that can aggravate postharvest losses during transportation of fruits and vegetables.
4. (i). Explain **two (02)** physiological processes that cause postharvest losses in fruits and vegetables.
 (ii). Describe the postharvest treatments that can be used to minimize the postharvest losses that cause by the physiological processes explained in above (i).
5. (i). What is meant by postharvest technology?
 (ii). Describe **five (05)** reasons for the poor adoption of postharvest technology in Sri Lanka
6. (i). Explain the reasons for drying cereal/grain before storage.
 (ii). Discuss **five (05)** reasons for postharvest losses of cereal/grain during storage.
