



The Open University of Sri Lanka  
 Faculty of Engineering Technology  
 Bachelor of Industrial Studies (Agriculture) Programme  
 Final Examination- 2015

AEI3236 Postharvest Biology and Technology 1

Date: 03.08.2014  
 Time: 9.30 a.m. – 12.30 p.m.  
 Duration: Three (03) hours

---

SECTION 11

1. Describe the importance of management of preharvest factors in order to improve postharvest quality of fruits and vegetables.
2. “Integrated control of postharvest diseases improve the quality of fresh produce” critically evaluate this statement.
3. (i) What are the stages where postharvest losses can take place in perishable products?  
 (ii) Give reasons for the losses in each stage.  
 (iii) Describe the measures that can be taken to minimize the losses in each stage above due to indicated reason/s.
4. (i). State why it is important to drying grain before storage.  
 (ii). Explain the methods available for drying grains.  
 (iii). What is the most suitable drying method for Sri Lanka out of the methods explained in above (ii). Justify your answer.
5. Write a short essay on any **two (02)** of the following.
  - (i) Control of postharvest water losses.
  - (ii) Reasons for grain deterioration during storage.
  - (iii) Importance of postharvest technology.

6. Write short notes on any **three (03)** of the following.

- (i) Postharvest disorders of fresh produce.
- (ii) Maturity indices of fruits and vegetables.
- (iv) Bulk storage of grain.
- (v) Ethylene in postharvest technology.