



The Open University of Sri Lanka  
Faculty of Engineering Technology  
Bachelor of Industrial Studies (Agriculture)

Final Examination- 2008

**AEI 5244 Post harvest Biology and Technology II**

**Date** : 14-03-2008  
**Time** : 0930-1230  
**Duration** : Three (03) hours

---

**SECTION 2: Answer any four (04) questions**

- (1) Describe the following statement using common examples from Sri Lanka.  
"Post harvest disorders are much easier to recover than post harvest diseases".
- (2) As a developing country we are step behind in the process of producing products for export market. Briefly explain the problems and suggest ways to overcome those problems.
- (3) "Mini Mango" is a factory situated in Colombo area manufacturing fresh mango fruit drink to local market. In future they expect to introduce their product to export market too. Write an essay on the process of TQM (Total Quality Management) in this factory.
- (4) a. Write a brief account on relationship between time of harvesting the fresh produce and the distance of transportation. Give suitable examples for them.
- b. "Transportation" is the most cost effective operation in post harvest handling systems under Sri Lankan condition. Comment on that using suitable examples.
- (5) a. The damage and loss incurred during non-refrigerated transportation are caused basically by mechanical damages and overheating. Briefly explain the statement with suitable examples.
- b. Write a brief description on different types of storage losses occur in bulk storage of paddy in Sri Lanka.
- (6) Write short notes on following topics.
- Controlled atmospheric storage(CA)
  - Basic pre-treatments before storage/transportation of fresh produce
  - HACCP in food quality management
  - Evaluation of a dryer and drying efficiency
  - Minimal processing of foods and its advantages.