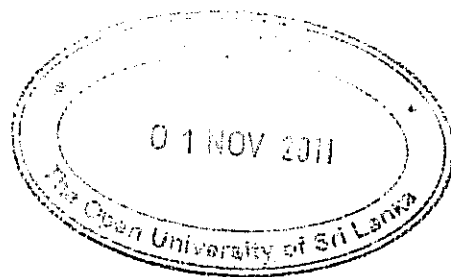




The Open University of Sri Lanka
Faculty of Engineering Technology
Bachelor of Industrial Studies Program

Final Examination- 2010/2011

AEI 5244 Postharvest Biology and Technology II



Date : 06.03.2011
Time : 1330-1630
Duration : Three (03) hours

SECTION 2: Answer any four (04) questions.

1. a) Briefly explain the need of gathering market information on fresh produces.
b) Write an essay on "factors to be considered in designing and construction of a pack house for fruits and vegetables.
2. a) Briefly discuss three(03) pre-treatments that should be perform before storage of fresh produces.
b) Write a small account on storage expectation of fresh produces.
3. Write short notes on three (03) of the followings.
 - i) Controlled Atmospheric Storage
 - ii) Hypobaric storage
 - iii) Advantages and disadvantages of on farm storage of grains
 - iv) Methods to overcome postharvest losses
 - v) Principles of drying and dehydration
4. Write an essay on "factors affect on growth of microbes in foods".
5. a) Briefly discuss the importance of implementing standards for food products.
b) Discuss the principles of quality control in food items.
6. "As a developing country we are step behind in producing food products (especially fruits and vegetables) to export market". Critically evaluate this statement using suitable examples.