



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

Final Examination- 2007

AEI 5244 Postharvest Biology and Technology II

Date : 26-04-2008
Time : 0930-1230 hrs

SECTION 2: Answer any four (04) questions

1. (a) Write an essay on "importance of packaging" of fresh fruits and vegetables?

(b) Briefly discuss the factors that should be considered in selecting a proper packaging material for food?
2. Why most of the farmers dislike establishing fruit orchards than vegetable cultivation farms? Critically evaluate it.
3. Write short notes on the following topics.
 - a. Controlled Atmosphere Storage (CA)
 - b. Vacuum packaging
 - c. Climacteric and non-climacteric fruits
 - d. Maturity indices
4. (a) Write a short essay on "dehydration of fruits and vegetables". Include why dehydration is done, available methods and the packaging requirements of the dehydrated products.

(b) Write a brief comparison of sun drying and mechanical drying.
5. (a) What is the difference between grading and sorting. Explain it with suitable examples.

(b) Why sorting and grading are considered as important steps in a food processing line. Briefly explain it.
6. Two main factors that influence on postharvest life of a fresh product are **temperature** and **relative humidity**. Discuss how these two factors affect on postharvest life of a product. Give suitable examples.

