



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

Final Examination- 2010

AEI 3236 Post harvest Biology and Technology I

Date : 19.03.2010
Time : 0930-1230
Duration : Three (03) hours

SECTION 2: Answer any four (04) questions.

1. Write short notes on any three (03) of the following topics.
 - a) Paddy parboiling
 - b) Intrinsic quality parameters of paddy
 - c) Three basic methods of paddy drying
 - d) Climacteric and non-climacteric fruits
 - e) Psychometric chart

2. a) Briefly explain the ways how could you control or prevent the insect damages in a large bulk of paddy stores in Anuradapura.

 b) Transportation of fresh produces is costly operation under Sri Lankan condition. Critically evaluate it using suitable examples.

3. a) Compare the solar drying /open sun drying and mechanical drying of grains.

 b) Briefly discuss the important operations in rice milling process in our country. Write down one equipment used in each operation.

4. Write an essay on how could you achieve a high yield and good quality products from vegetable cultivation in Nuwara-Eliya.

5. It is difficult to introduce new post harvest technologies to our farmers. How could you avoid these circumstances and educate them. Critically evaluate this statement.

6. a) Clearly differentiate post harvest disease and post harvest disorders.

 b) Biological control methods of post harvest diseases are environmentally friendly approach in our country. Comment on that. Give suitable examples.