



The Open University of Sri Lanka
 Faculty of Engineering Technology
 Bachelor of Industrial Studies (Agriculture) Programme
 Final Examination- 2015/2016
AEI5244 Post harvest biology and technology II

Date : 18.11.2016
 Time : 0930-1230
 Duration : Three (03) hours

SECTION 2: Answer any four (04) questions.

1. Discuss the role of Postharvest Technology in improving per capita food availability for the increasing population of the world. (25 marks)
2. (a) List **five (05)** packaging materials that can be used for storage of perishables. (05 marks)
 (b) Describe how does packaging or packaging material improve shelf life of perishables?(20 marks)
3. Discuss the role of the manager of a fruits and vegetable packing house to maximize the profitability of packing house (25 marks)
4. Differentiate any **two (02)** of the followings
 - a) Wet dumping vs dry dumping of perishables (12.5 marks)
 - b) Natural fruit ripening vs artificial fruit ripening by using ethylene (12.5 marks)
 - c) Sea transportation vs air transportation of perishables (12.5 marks)
5. Write short notes on any **two (02)** of the following topics.
 - a) Pre-treatments prior to drying of fruits and vegetables
 - b) Factors to be considered in cold chain transportation of fresh foods (12.5 marks)
 - c) ISO management systems (12.5 marks)
6. "Good Agricultural Practices and Good Manufacturing Practices are important in implementation of HACCP in food industry". Critically discuss the above statement using the experience you have gained by visiting a food processing factory. (25 marks)