



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 : 10.11.2017
Time : 0930-1230
Duration : Three (03) hours

SECTION 2: Answer any four (04) questions.

1. Discuss how do Pre harvest and Postharvest practices effect on supplying quality produce to the market (25 marks)
2. Discuss the importance of having proper postharvest storage facilities for agricultural products (25 marks)
3. (a) Draw and label the typical Drying curve (10 marks)
(b) Explain the factors effecting drying of fresh produce (15 marks)
4. Differentiate any two (02) of the followings
 - a) Use of Reefer vessels vs Reefer containers in sea transportation (12.5marks)
 - b) Vacuum packaging vs Modified atmospheric packaging (12.5 marks)
 - c) Identification of Plant disorders vs Plant diseases (12.5 marks)
5. Write short notes on any two (02) of the following topics.
 - a) Use of plastic crates in transporting perishables (12.5 marks)
 - b) Role of the manager in a packing house (12.5 marks)
 - c) Role of the Sri Lanka Accreditation Board (SLAB) in product quality assurance (12.5 marks)
6. "Obtaining ISO certifications and SLS certifications are crucial for a company to sell their food products to local and export markets". Critically discuss the above statement using the experience you have gained by visiting a food processing factory. (25 marks)