



The Open University of Sri Lanka
Faculty of Engineering Technology
Bachelor of Industrial Studies Honours (Agriculture) Programme
Final Examination- 2016
AEI3236 Postharvest Biology and Technology 1

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Date: 18.11.2016
Time: 9.30 a.m. – 12.30 p.m.
Duration: Three (03) hours

SECTION 11

- Contains **six (06)** questions.
 - Answer any **four (04)** questions.
 - You may spend **two (02)** hours
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1. Describe the deleterious effects of postharvest losses.
2. Justify the needs of postharvest technology in fruit and vegetable farming in Sri Lanka.
3. Describe the reasons for postharvest losses in up country vegetable farming in Sri Lanka.
4. i. Briefly explain **five (05)** quality characteristics of grain.
ii. Describe the milling process of rice.
5. Write short essays on any **two (02)** of following.
 - i. Importance of packaging fruits and vegetables.
 - ii. Preharvest management practices.
 - iii. Drying methods of paddy in Sri Lanka.
6. Write short notes on any **three (03)** of following.
 - i. Water loss of perishables.
 - ii. Paddy parboiling.
 - iii. Maturity indices.
 - iv. Mechanical injuries in fruits and vegetables.