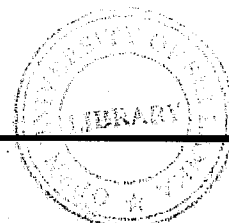




The Open University of Sri Lanka
Faculty of Engineering Technology
Diploma/Degree in Industrial Studies (Agriculture)
Final Examination- 2008/2009
AEI 3236 Post harvest Biology and Technology I

Date : 25-03-2009
Time : 1400-1700
Duration : Three (03) hours



SECTION 2:
Answer any four (04) questions

- (1) Proper crop husbandry is important to achieve a good yield and quality products of fresh produces. Write an essay on that. Explain your answer with suitable examples from Sri Lanka.
- (2) a) Write a brief account on integrated method used in controlling the post -harvest diseases in Sri Lanka.
b) Biological control methods of post harvest diseases are environmentally friendly approach in nowadays. Comment and illustrate your answer using suitable examples.
- (3) Write short notes on any three (03) of the following topics.
 - c) Post harvest disorders
 - d) Plant cell structure
 - e) Maturity indices for fruits and vegetables
 - f) Hermatic sealed storage
 - g) Psychometric chart
- (4) "Agriculture is a risky job in nature". Write an essay on that and clarify your answer using suitable examples from Sri Lanka.
- (5) Harvesting of a fresh fruits at its optimum maturity stage is important to meet the high consumer demand for particular product. Discuss it with related to climacteric and nonclimacteric nature of fruits with suitable examples .
- (6) a) Compare the methods of solar drying and mechanical drying of grains using five factors.
b) Write a brief note on paddy parboiling process in Sri Lanka.
c) Discuss the importance of establishing standards and grades for different paddy varieties in Sri Lanka.